

COPY C

SCIENCE AND ART DEPARTMENT
OF THE
COMMITTEE OF COUNCIL ON EDUCATION.

TABLES
OF THE
RESULTS OF A SERIES OF
EXPERIMENTS
ON THE
STRENGTH OF BRITISH COLONIAL
AND OTHER WOODS

EXHIBITED AT THE
INTERNATIONAL EXHIBITION, 1862 : MADE AT THE
SOUTH KENSINGTON MUSEUM BY
CAPTAIN F. FOWKE, R.E.
WITH HIS REPORT ON SIMILAR EXPERIMENTS IN 1855.



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PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY,
FOR HER MAJESTY'S STATIONERY OFFICE.

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P R E F A C E.

DURING the Paris International Exhibition of 1855 the late Captain Francis Fowke, Royal Engineers, carried out certain experiments for ascertaining a variety of qualities in woods from British Colonial Possessions, and other countries which were contributors to the Exhibition; and published the results in a Report which is appended to the present volume.

The woods were exhibited either as applicable to useful and scientific purposes, or as worthy specimens of native timber.

After the London Exhibition of 1862 he conducted similar experiments on woods then exhibited. The present volume contains a full and detailed account of them. They extended over a very considerable period of time, and were conducted with much care and attention on the part of those who assisted Captain Fowke in his operations.

Upwards of 3000 pieces of wood were experimented upon.

Messrs. Hayward Tyler and Co. of Upper Whitecross Street, London, having kindly placed at the disposal of the Science and Art Department a handy hydraulic press for the purpose, the experiments were uniformly conducted with this machine, which was regulated for a variety of purposes, and which from its sensitiveness and precision rendered the operations all the more satisfactory. The pressure exerted upon the pieces of wood tested was indicated by one dial on the press, whilst another dial was arranged to indicate, in one-thousandths of an inch, the deflection and other features exhibited by the woods at every 1120 lbs., or half ton weight of pressure exerted by the hydraulic machine.

It should be observed that in every instance the experiments were conducted upon one uniform system, and the results for pressure exerted by the press on the woods, as well

as the effect by deflection from such pressure, was noted throughout each experiment undertaken at every additional half ton weight (1120 lbs.) of strain, or part of such half ton weight of strain, applied.

The pieces of wood were all carefully cut to one standard length of 16 inches, and squared as nearly as possible, in every instance, to two inches.

Whenever the piece of wood would not run to two inches square, it has been noted in Table II., the table of experiments for ascertaining the breaking weights; and in the summary of these experiments, Table III., it should be observed that a calculation has been made upon such pieces as were in any degree less than the standard measure, so as to bring the order of the breaking weights applied relatively to the one uniform measurement for each piece of wood, viz., 16 inches long and two inches square.

The bearings for the woods were 12 inches apart in the clear, between which the hydraulic press exerted its force centrally.

In the experiments for ascertaining the crushing weights both in the direction of the fibre of the wood and transversely of it (Tables IV. and VI.), the pieces were all cut to one standard measure, a cube of one inch. Tables V. and VII. give the result of these crushing experiments in order, with the number of experiments on each wood. The mean crushing weights deduced from them will be found Tables IV. and VI.

Table VIII. shows details of a series of experiments for ascertaining the elasticity of the woods, or more properly the recovery of the woods from deflection on the removal of every additional 1120 lbs. put upon them. For these experiments the woods were operated upon under similar conditions to those referred to above in the experiments for ascertaining the breaking weights.

Table IX. will be found to form a general summary or guide to the whole of the other experiments. Thus any details of the experiments themselves can be readily found by

means of this general index table, which gives a summary of them.

For example—

No. of Specimen.	Name.	Colony.	Table I.		Table II.		Table III.	
			Specific Gravity.		Actual Breaking Weight.		Mean Breaking Weight.	
			Distilled Water being 1000.	Page.	lbs.	Page.	lbs.	Page.
20 A.	Pinus Picea	- Austria -	-					
20 B.	Do.	- Do. -	0.408	10	784	13	..	..
20 C.	Do.	- Do. -	"	"	1,036	"	..	..
20 D.	Do.	- Do. -	"	"	1,764	"	..	..
21 A.	Do.	- Do. -	"	"	1,983	"	..	..
			0.420	"	1,717	"	..	..

and so on with Tables IV., V., VI., VII., and VIII.

The names of the countries, from which the specimens of woods operated upon were procured, are placed in alphabetical order in the Tables as far as they could be so arranged. This, it is hoped, will render the book more easy for reference.

An Index is supplied, showing the pages on which will be found the several tables of experiments, with the detail of their object and purpose.

HENRY SANDHAM,

Keeper in charge of the
Collections of Construction.

South Kensington,
June 1867.

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TABLES.

TABLE I.—SPECIFIC GRAVITY.

In this Table the Woods are arranged in the Order of their Specific Gravity.

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1'000.
341 A.	Iron Wood - - -	Jamaica - - -	1'254
9 A. B.	Swamp Oak - - -	Queensland - - -	1'240
13 A. B.	Bullet Wood - - -	British Honduras - - -	1'230
121 A. B. Aa. Ab.	Weeping Myall - - -	Queensland - - -	1'228
345 A. B.	Wild Orange - - -	Jamaica - - -	1'211
65 A. B. Aa. Ab.	Red Iron Bark - - -	Queensland - - -	1'204
17 A.	Sapodilla - - -	British Honduras - - -	1'204
1 A. B. C. D.	White or Pale Iron Bark - - -	New South Wales (South) - - -	1'204
339 A. B. C. D.	Naseberry Bullet Tree - - -	Jamaica - - -	1'204
212 A. B.	Jamaica Ebony (Black Heart varieties). - - -	Do. - - -	1'201
8 A. B.	Iron Bark - - -	New South Wales (Hunter River). - - -	1'193
3 A. B. C.	Do. - - -	New South Wales (South) - - -	1'192
21 A. B. C. D.	Caoutchouc - - -	British Honduras - - -	1'192
243 A. B.	Acoma or Mastic - - -	Trinidad - - -	1'190
90 A. B.	N. O. Pittisporaceae - - -	Queensland - - -	1'190
7 A. B. C. D.	Narrow-leaved Smooth or Red Iron Bark. - - -	New South Wales (South) - - -	1'187
28 A. B. C.	- - -	Victoria - - -	1'116
265 A. B.	Red Mangrove - - -	Trinidad - - -	1'182
29 A. B. Aa. Ab.	Lignum Vitæ - - -	Queensland - - -	1'182
11 A. B. C. D.	Bastard Box of Illawarra - - -	New South Wales (South) - - -	1'117
20 A. B. C. D.	Cuamara or Tonka - - -	British Guiana - - -	1'174
2 A. B.	Ebony? White Iron Bark (Black Heart variety). - - -	New South Wales (South) - - -	1'173
216 A. B. C. D.	Dog Wood - - -	Jamaica - - -	1'170
3 A. B. C.	Iron Bark - - -	New South Wales (South) - - -	1'163
77 A. B.	Iron Bark of the Clarence - - -	Do. do. (North) - - -	1'157
2 A.	Iron or Beef Wood - - -	Ceylon - - -	1'157
10,373 A.	Gnœ Shwoay - - -	East India - - -	1'151
10,473 A. B. C.	Nat Gyee - - -	Do. - - -	1'149
2,468 A.	Pannaga - - -	Do. - - -	1'148
4 A. B. C. D.	Broad-leaved Rough Iron Bark. - - -	New South Wales (South) - - -	1'148
319 Aa. Ab. Ba. Bb. Bc. Bd. Ca. Cb. Ea. Eb.	Cocoa Nut - - -	Jamaica - - -	1'148
13 A. B. C. D.	Bastard Box - - -	New South Wales (South) - - -	1'143
122 A. B. Aa. Ab.	Bricklow - - -	Queensland - - -	1'144
5 A. B. C. D.	Iron Bark - - -	New South Wales (South) - - -	1'193
237 A. B.	Sapodilla, Sapotillier - - -	Trinidad - - -	1'138
12 D.	Gomphar - - -	New South Wales (North) - - -	1'137
3 A. B. C.	Iron Bark - - -	Do. do. (South) - - -	1'134
21 A. B. C. D.	Blue Gum - - -	Do. do. do. - - -	1'134
216 A.	Purple Heart - - -	Trinidad - - -	1'133
350 A. B.	Green Heart - - -	Jamaica - - -	1'132
67 A. B. Aa. Ab.	Spotted Gum - - -	Queensland - - -	1'133
15 A. B. C.	Musk Tree - - -	Victoria - - -	1'132
297 A. B. C. D.	Red Heart - - -	Jamaica - - -	1'131
63 A. B. Aa. Ab.	Black Iron Bark - - -	Queensland - - -	1'129
1 A. B. C. D.	Peppermint Tree - - -	Victoria - - -	1'127
61 A. B. Aa. Ab.	N. O. Myrtaceæ - - -	Queensland - - -	1'127
4 A. B.	Canasin - - -	British Honduras - - -	1'124
355 A. B.	Black Rose Wood - - -	Jamaica - - -	1'124
8 A. B. C. D.	Narrow-leaved Iron Bark - - -	New South Wales (South) - - -	1'124

TABLE I.—continued.

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1.000.
257 B. C.	Pui	Trinidad	
17 A. B. C. D.	Dthackai Courroo	New South Wales (South)	1.120
25 A. B. C. D.	Rough-barked Gum	Do. do. do.	1.120
79 A. B. AG. AB.	Common Tea Tree	Queensland	1.117
18 A. B.	Boxwood	Liberia	1.116
34 A. B. C. D.	Iron Bark Tree	Victoria	1.114
22 A. B. C. D.		Do.	1.112
10 A. B. C. D.			1.113
AG. AB. AC.	Woolly-but	Do.	1.105
Ad.			
4,754 A. B.	Iron Wood	East India	1.104
72 A. B. AG. AB.	Woolly Butt	Queensland	1.101
2 A. B.	White Iron Bark	New South Wales (South)	1.100
8 A. B. C. D.		Victoria	1.099
29 A. B. C. D.		Do.	1.095
AG. AB. AC.			
Ad. A. B. C.	Blue Gum	Tasmania	1.095
37 A. B. C. D.	Eucalyptus Sp.	New South Wales (South)	1.093
64 A. B. AG. AB.	Grey Iron Bark	Queensland	1.093
44 A. B. AG. AB.	Tulip Wood	Do.	1.091
10,258 A. B.	Gangan	East India	1.091
6 A. B. AG. AB.	Forest Oak	Queensland	1.090
117 A. B. AG. AB.	Rosewood	Do.	1.090
91 A. B.	Crab Tree	Do.	1.088
358 A. B. C.	White Rose Wood	Jamaica	1.087
2 A. B.	Cranadilla	British Honduras	1.087
5,603 A.	Assán	East India	1.087
23 A. B.	Grey Gum	New South Wales (South)	1.084
38 A. B. C. D.	Grey Gum, from Brisbane Water.	Do. do. do.	1.083
14 A. B. C. D.	Bastard Box	Do. do. do.	1.083
8 A.	Pimento	British Honduras	1.080
5,602 A.	Abloos or Kándoo	East India	1.080
221 A. B.	Guatamaro	Trinidad	1.079
33 A. B. C. D.	Grey Box	Victoria	1.079
3 A.	Grey Gum (Hunter River)	New South Wales	1.077
97 A. B.	Sersalisia Sericea	Queensland	1.077
10 A. B. C. D.	Box of Illawarra	New South Wales (South)	1.074
3 A. B. C. D.	Chicheur	British Honduras	1.071
100, 109, B. C.	Woolly Butt	Victoria	1.070
24 A. B. AG. AB.	Broad-leaved Cherry	Queensland	1.070
3,953 A.	Kohnie	East India	1.069
12 A. B. C.	True or Yellow Box of Camden	New South Wales (South)	1.068
223 A. B. C. D.	Braziletto	Jamaica	1.067
5 A. B. C. D.	Bastard or White Box	New South Wales (North)	1.065
15 A. B. C.	Box	Do. do. (South)	1.065
16 A. B. C. D.	Burneh Bully or Bullet Tree	British Guiana	1.062
5,609 A.	Keechar	East India	1.060
26 A. B. C. D.	Greenheart	British Guiana	1.060
AB. AC. AD.			
64 A. B.	Tea Tree	New South Wales (North)	1.058
374 A. B. C. D.	Blue Gum	Tasmania	1.058
120 A. B.	Acacia Sp.	Queensland	1.057
71 AG. AB.	Swamp Mahogany	Do.	1.056
71 A. B.	Swamp Oak	New South Wales (North)	1.022
16 A. B.	Subin or Cubin	British Honduras	1.053
20 A. B.	Blue Gum	New South Wales (South)	1.050
68 A. B. AG. AB.	Turpentine Tree	Queensland	1.048
5 A. B.	Iron Bark (from Hunter River).	New South Wales	1.047
2 AG. AB. AC.	Grey Box Tree	Victoria	1.047
Ad.			
19 A. B. C. D.	Blue Gum of Camden	New South Wales (South)	1.044
1,220 A. B.	Unjun	East India	1.043
7,520 A.		Do.	1.040
1 A. B. C.	Siricote	British Honduras	1.037
10 A. B. C. D.	Box of Illawarra	New South Wales (South)	1.035
2,471 A.	Kasso	East India	1.033
66 A. B. AG. AB.	Stringy Bark	Queensland	1.032
85 A. B. C.	Peppermint	Tasmania	1.028
73 A. B. AG. AB.	Tamarind	Queensland	1.027

TABLE I.—continued.

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1'000.
2,345 A.	Tenasserim Mahogany	East India	1'026
262 A. B. C. D.	Alivier	Trinidad	1'025
147 A.	Terruvah	East India	1'026
201 A. B. C.	Red Candle Wood	Jamaica	1'026
11 A.	Chucya	British Honduras	1'026
104 A. B. C.		East India	1'025
71 A. B.	Swamp Oak	New South Wales (North)	1'022
40 A. B. C. D.	Messmate	Do. do. (South)	1'024
80 A. B. Aa. Ab.	Bottle Brush Tree	Queensland	1'022
10,367 A. B.		East India	1'020
46 D.		Victoria	1'019
252 A. B. C.	White Mangrove	Jamaica	1'017
220 A. B.	Casse	Trinidad	1'017
6 B.	Mahogany (Hunter River)	New South Wales	1'016
1 A.	Blue Gum (Hunter River)	Do. do.	1'016
3,961 A.	Mowah	East India	1'013
214 A. B. C. D.	Savoneth Jaune	Trinidad	1'013
109 A. B. Aa. Ab.	Olive Tree	Queensland	1'012
44 A. B.	Mahogany	New South Wales (South)	1'009
54 A. B.	Turpentine	Do. do. do.	1'008
48 A. B. C. D.	Stringy Bark, Camden	Do. do. do.	1'008
40 A. B. C.	Uroobie	Do. do. (North)	1'006
26 S.	Spotted or Mottled Gum	Do. do. (South)	1'006
80 A.		East India	1'006
64 A. B.	Broad-leaved Tree	New South Wales (South)	1'004
3 A. B.	Coast Tea Tree	Victoria	1'004
48 A. B. Aa. Ab.	Cymnosma Oblongifolia	Queensland	1'004
115 A. B.	Acacia	Do.	0'999
10,390 A. B.	Htonkgyan	East India	0'999
55 A. B.	Water Gum	New South Wales (South)	0'999
55 A. B. Aa. Ab.	Backhousia Citriodora	Queensland	0'998
113 A. B. Aa. Ab.	Mangrove	Do.	0'998
105 A. B.	River or White Oak	New South Wales (South)	0'997
10,477 A. B. C.	Kay Yoob	East India	0'997
4,665 A.	Kowah	Do.	0'996
103 A. B.	Grey Gum	New South Wales (North)	0'996
7 A. B. C.		Victoria	0'994
20 A. B. C.	Iron Wood	Liberia	0'993
4 A. B.	Monkey nut	British Guiana	0'992
16 A.	Thurambia Flooded Gum	New South Wales (South)	0'992
23 A. B. Aa. Ab.	Mountain Ash	Queensland	0'990
40 A. B. Aa. Ab.	Capania Sp.	Do.	0'990
2 A. B. C. D. Aa. Ab. Ac. Ad.	} Grey Box Tree	Victoria	0'988
18 A. B. C.	Blue Gum of Coast districts	New South Wales (South)	0'986
106 A. B. Aa. Ab. Ba. Bb. Ca. Cb.	} Gerjeria Salicifolia	Queensland	0'985
12 A. B. Aa. Ab.	Flindosa	Do.	0'986
20 A. B. Aa. Ab. Ba. Bb.	} Callhum	Do.	0'984
58 A. B. Aa.	Myrtle	Do.	0'986
114 A. B.	Brush Iron Bark	New South Wales (North)	0'982
28 A. B. C. D.	Native Plum	Do.	0'982
74 A. B.	White Myrtle	Do.	0'982
88 A. B.	Found in the Brush Forests on the Clarence.	Do.	0'982
111 A. B. Aa. Ab.	Notelaea Longifolia	Queensland	0'978
10 A. B. C.	Cedar	Liberia	0'978
10,376 A.	Yin-dike	East India	0'976
160 A. B.	White Lance Wood	Jamaica	0'976
219 A. B. C. D.	Tamarind	Trinidad	0'973
558 C. For A. B. C.	} Blue Gum	Tasmania	0'973
24 A. B.	Woolly Butt of Ilawarra	New South Wales (South)	0'972
10,485 A. B. C.	Padouk	East India	0'972
280 A. B. C. D.	Gempa	Trinidad	0'971
106 A. B.	Iron Wood	New South Wales (North)	0'970
44 Aa. Bb. Cc. Dd.	} Mahogany	Do.	0'970
10,362 A. B.	Gyo	East India	0'969
7,629 A. B.	Boom Mai Za	Do.	0'969
108 A. B. Aa. Ab.	Canthium Lamprophyllum	Queensland	0'969

TABLE I.—continued.

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1·000.
111 A. B. C. D.	Water Gum - - -	New South Wales (North)	0·968
276 A. B.	Guatcare - - -	Trinidad - - -	0·969
5,610 A.	Koozoon - - -	East India - - -	0·965
N.S.W. 46/12.	Stringy Bark of Coast - - -	New South Wales (South)	0·965
196 A. B.	Beefwood - - -	Trinidad - - -	0·964
16 A.	Flooded Gum - - -	New South Wales (South)	0·964
328 A. B.	Black Bullet Tree - - -	Jamaica - - -	0·962
10,386 A.	Nabhay - - -	East India - - -	0·962
145 A.	Bou - - -	Do. - - -	0·962
15a. B. C. D.	Mora - - -	British Guiana - - -	0·961
84 A. B.	Black Wattle of Illawarra - - -	New South Wales (South)	0·961
70 A. B.	Myrtle - - -	Do. - - -	0·961
10,489 A. B.	Kya Ya - - -	East India - - -	0·959
67 A. B.	Nomo Gynandrie - - -	New South Wales (North)	0·959
102 A. B. C. D.	Flooded Gum - - -	Do. - - -	0·958
10,348 A. B.	Petwoon - - -	East India - - -	0·958
63 A. B.	Flintamendosa - - -	New South Wales (North)	0·956
57 A. B.	Iron Wood - - -	Queensland - - -	0·956
70 A. B. Aa. Ab.	Blood Wood - - -	Do. - - -	0·955
60 A. B.	Hickory Lignum Vitæ - - -	New South Wales (North)	0·954
371 A. B. C. D.	White Torch - - -	Jamaica - - -	0·953
363 A.	Beech Wood - - -	Do. - - -	0·952
36 A. B. Aa. Ab.	Pseudalangium Tomentosum - - -	Queensland - - -	0·952
42 A. B. C.	Swamp Mahogany - - -	New South Wales (South)	0·951
222 A. B. C. D.	Palo Mulato - - -	Trinidad - - -	0·951
210 A. B. C.	Casuariana Equisitifolia - - -	Jamaica - - -	0·949
14 A. B.	Tastab - - -	British Honduras - - -	0·948
6 A. B. C.	Eucalyptus (found at Buffalo River) - - -	Victoria - - -	0·947
27 A. B. C. D.	Black Butt Gum - - -	New South Wales (South)	0·946
10,491 A. B.	Zangycoat-doup - - -	East India - - -	0·946
46 A. B. C. D.	Stringy Bark of Coast - - -	New South Wales (South)	0·946
104 A. B. Aa. Ab.	- - -	Queensland - - -	0·944
164 A. B. C. D.	Blood or Iron Wood - - -	Jamaica - - -	0·942
13 A. B.	Wobul - - -	New South Wales (North)	0·939
53 A. B. Aa. Ab.	Myrtus Trinervis - - -	Queensland - - -	0·939
54 A. B.	Schmidelia Pyriformis - - -	New South Wales (North)	0·939
77 A. B.	Broad-leaved Tea Tree - - -	Queensland - - -	0·939
407 A.	Star Apple - - -	Jamaica - - -	0·939
11 A. B. C.	Black Gum - - -	Liberia - - -	0·938
218 A. B. C. D.	Naraujillo Amarillo - - -	Trinidad - - -	0·938
58 A. B. C. D.	Native Cherry Tree - - -	Victoria - - -	0·938
21 A. B.	Cabbage Tree - - -	Queensland - - -	0·937
53 A. B.	Carissa Ovata - - -	New South Wales (North)	0·935
1 A.	Halmollih - - -	Ceylon - - -	0·935
137 A. B.	Wallandun Deyern - - -	New South Wales (South)	0·935
10,410 A. B.	Hteingalah - - -	East India - - -	0·935
9 A.	Blue Gum (Hunter River) - - -	New South Wales - - -	0·935
4 A.	Cypress Pine - - -	Queensland - - -	0·935
110 A. B. Aa. Ab.	Ixorea Thozetiana - - -	Do. - - -	0·932
373 Ca. Cb. Cc.	(For 11 specimens) Stringy Bark. - - -	Tasmania - - -	0·932
2 A. B. C. D. Aa. Ab. Ac. Ad.	Grey Box Tree - - -	Victoria - - -	0·929
36 A. B. C. D.	White Gum Tree - - -	Do. - - -	0·929
363 A. B. C. D.	Gum Topped Stringy Bark or White Gum. - - -	Tasmania - - -	0·929
10,357 A.	Theya - - -	East India - - -	0·928
10,382 A.	Pouktheuma-Meyck-Kyouk - - -	Do. - - -	0·925
228 A. B.	Yellow Candle Wood - - -	Jamaica - - -	0·923
24 Aa. Ab.	- - -	Hungary - - -	0·922
45 A. B. Aa. Ab.	Schmidelia Pyriformis - - -	Queensland - - -	0·920
46 A. B. C. D.	Stringy Bark Berrina - - -	New South Wales (South)	0·920
No. 10/9.	Box of Illawarra - - -	Do. do. - - -	0·918
43 A. B.	Bat and Ball, Native Orange? - - -	Do. (North) - - -	0·917
54 A. B. Aa. Ab.	Native Pomegranate. - - -	- - -	- - -
42 A. B. C. D.	Myrtus Argentea - - -	Queensland - - -	0·916
Aa. Ab. Ac. Ad.	- - -	Victoria - - -	0·916
69 A. B. Aa. Ab.	Smooth-barked Gum - - -	Queensland - - -	0·915

TABLE I.—continued.

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1·000.
267 A. B. C. D.	White Bully Tree	Jamaica	0·914
364 A. B.	Peppermint	Tasmania	0·913
62 A. B. A. G. A. B.	Black Iron Bark	Queensland	0·912
217 A. B.	Locust	Trinidad	0·912
60 A. B. C.	Common Tea Tree	New South Wales (South)	0·911
4,660 A.	Surrye	East India	0·911
10,379 A. B.	Padouk	Do.	0·908
19 A. B. A. G. A. B.	Lightwood	Queensland	0·906
32 A. B. A. G. A. B.	Plum Tree	Do.	0·906
89 A. B.	Found in Brush forests on the Clarence.	New South Wales (North)	0·905
94 A. B.	Silver Tree	Queensland	0·905
44 A. B.	Booth Mahogany	New South Wales (South)	0·905
7,514 A. B.		East Indies	0·905
6 A. B. C. D.	Red Box	New South Wales (North)	0·903
372 A. B.	Beef Apple	Jamaica	0·903
84 A. B.	Marblewood	New South Wales (North)	0·903
49 A. B. A. G. A. B.	Nimuspops Parviflora	Queensland	0·903
6 A.	Chucxax	British Honduras	0·901
21 A. B.	Wootaril	New South Wales (North)	0·901
105 A. B. A. G. A. B.	Barkleya Springifolia	Queensland	0·900
A. B. A. G. A. B.	Bean Tree	Do.	0·898
60 A. B. A. G.	Myrtus Australis	Do.	0·898
47 A. B.	Stringy Bark Appin	New South Wales (South)	0·898
226 A.	Angelin	Trinidad	0·898
10,352 A.	Eng	East India	0·898
36 A. B.	Larrabie	New South Wales (North)	0·896
7,093 A.	Gading Gading	East India	0·894
185 A. B. C. D.	Noyer	Trinidad	0·895
	Sukliyo	East India	0·893
18 A. B. C.	Blue Gum of Coast Districts	New South Wales (South)	0·892
52 A. B. A. G. A. B.	Hodgkinsonia Ovatiflora	Queensland	0·891
4 A.	Satin Wood	Ceylon	0·891
10,475 A. B.	Mance Auka	East India	0·891
10,397 A. B.	Thabyehgah	Do.	0·888
10,388 A. B.	Pangah	Do.	0·888
140 A. B.	Sandal Wood	Do.	0·885
25 A.	Roble Blanco	British Honduras	0·884
10,356 A. B.	Engyin	East India	0·884
18 A.	Kaskat	British Honduras	0·884
5,598 A.	Sál	East India	0·884
100 A. G. A. B.	Ebenace	Queensland	0·883
43 A. B. C. D.		Victoria	0·882
57 A. B. C. D.	Hicory	New South Wales (South)	0·881
4,668 A.	Dhowrah	East India	0·881
226 A. B. C. D.	Angelin	Trinidad	0·880
7,677 A. B.	Tsuk Thu	East India	0·879
3 A.	Taming	Ceylon	0·878
155 A. B. C. D.	Japana, Japanare, or Algodon.	Trinidad	0·878
9 A. B. C.		Victoria	0·877
270 A. B. A. G. A. B. A. G. A. B.	Wild Guana	Trinidad	0·876
28 A. B. A. G. A. B.	Mangrove	Queensland	0·874
41 A. B.	Cupania Pseudorchus	Do.	0·872
66 A. B.	Bastard Myall	New South Wales (North)	0·871
7,071 A.	Murhow	East India	0·871
50 A. B. A. G. A. B.	Maba Geminata	Queensland	0·870
7,089 A.	Bintaling	East India	0·868
53 A. B. C. D.	Apple	New South Wales (South)	0·868
169 A. B. C. D.	Paraman	Trinidad	0·868
123 A. B.	Acacia	Queensland	0·867
5,606 A.	Sissoo (Red)	East India	0·864
4,671 A.	Baubul	Do.	0·864
10,384 A.	Thitsu	Do.	0·864
35 A. B. C. D.	Stringy Bar	Victoria	0·861
88 A. B. A. G. A. B.	Bursaria Ferruginea	Queensland	0·861
15 A.	Mabinjuh, or Mabinjuh	British Honduras	0·861
354 A. B.	Sweet Wood	Jamaica	0·861
7 A. B.	Buranna	New South Wales (North)	0·860
171 A. B. C. D.	White Beech	Do. (South)	0·859

TABLE I.—continued.

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1'000.
102 A. B. A.G. Ad.	Ebenace - - -	Queensland - - -	0'857
13 A. B. C. D.	No name - - -	Hungary - - -	0'857
7,531 A.	Do. - - -	East India - - -	0'857
376 A. B.	Blood-red Wood, Black Mahogany.	Jamaica - - -	0'857
3 A. B. C.	Goorole - - -	New South Wales (North)	0'856
10,355 A. B.	Thingador - - -	East India - - -	0'854
10,393 A. B.	Bambonay - - -	Do. - - -	0'854
7,065 A.	Gaham Bada - - -	Do. - - -	0'852
7,067 A.	Bia-babi - - -	Do. - - -	0'852
93 A. B. C. D.	Myrtle - - -	Tasmania - - -	0'849
47 A. B. C. D.	Rosewood - - -	New South Wales (North)	0'849
163 A.	Mahoe des Londres - - -	Trinidad - - -	0'847
326 A. B.	Red Wood - - -	Jamaica - - -	0'847
38 A. B. C. D.	Grey Plum - - -	Queensland - - -	0'846
3,951 A.	Pindra - - -	East India - - -	0'846
369 A. B. C. D.	Tea Tree - - -	Tasmania - - -	0'845
14 A. B.	Found near Lismore, near Richmond River.	New South Wales (North)	0'845
5,601 A.	Burdur - - -	East India - - -	0'844
168 A. B. C. D.	Surette - - -	Trinidad - - -	0'844
7,529 A.	Asna or Asan - - -	East India - - -	0'844
10,399 A. B.	Laizah - - -	Do. - - -	0'842
52 A. B. C. D.	Apple Tree of Coast - - -	New South Wales (South)	0'838
10,482 A. B.	Pune Thah - - -	East India - - -	0'837
7,086 A.	Dammer-laut - - -	Do. - - -	0'837
4,663 A.	Saj - - -	Do. - - -	0'837
7,086 A.	Time or Sisso - - -	Do. - - -	0'837
384 A. B. C. D.	Black Mahogany or Blood-red Wood.	Jamaica - - -	0'837
43 A. B. C. D.	Swamp Mahogany - - -	New South Wales (South)	0'836
10,416 A. B.	Zoung-za-lat - - -	East India - - -	0'835
7 A. B. C. D.	Mooraballi - - -	British Guiana - - -	0'835
9 A. B. C.	- - -	Hungary - - -	0'835
108 A. B.	Bush Brush Cherry - - -	New South Wales (South)	0'834
365 A. B.	Wild Cinamon - - -	Jamaica - - -	0'834
58 A. B.	Mahogany - - -	Liberia - - -	0'834
10,440 A.	Baman - - -	East India - - -	0'834
200 A. B. C. D.	Laurier Canelle - - -	Trinidad - - -	0'832
7 A.	River Oak - - -	Queensland - - -	0'832
2,465 A.	Marabow - - -	East India - - -	0'830
236 A. B. C.	South American Acacia - - -	Jamaica - - -	0'830
212 A. B.	Balsam Capivi - - -	Trinidad - - -	0'827
218 A. B.	Dog Wood - - -	Jamaica - - -	0'827
11 A. B. C. D.	Broad-leaved Box Tree - - -	Victoria - - -	0'826
196 A. B. C.	Bois Cortiero? Soap-nut Tree - - -	Trinidad - - -	0'825
89 A. B.	Bursaria Spinosa - - -	Queensland - - -	0'824
3 A.	Larch - - -	Russia - - -	0'823
154 A. B.	Red Ash, Leather Jacket, Coopers Wood.	New South Wales (South)	0'821
4,666 A.	Ghatoo - - -	East India - - -	0'820
1,215 A.	Karee - - -	Do. - - -	0'820
45 A. B. C.	Wattle - - -	Victoria - - -	0'818
3,955 A.	Kardahee - - -	East India - - -	0'817
10,434 A.	Theetmin - - -	Do. - - -	0'817
46 A. B. A.G. Ad.	Catha Cunninghami - - -	Queensland - - -	0'815
13 A. B. A.G. Ad.	Flindersia Bennettiana - - -	Do. - - -	0'815
10,375 A. B.	May-za-lei - - -	East India - - -	0'814
10,415 A.	Khaboung - - -	Do. - - -	0'813
185 A.	Blackwood - - -	Do. - - -	0'813
59 A. B.	Prickly Tea Tree - - -	New South Wales (South)	0'810
205 A. B. C. D.	Canturo - - -	Trinidad - - -	0'809
9 A. B.	Santa Martia - - -	British Honduras - - -	0'806
25 A. B. A.G. Ad.	Cherry - - -	Queensland - - -	0'805
14 A. B. C. D.	- - -	Hungary - - -	0'804
2 A. B. C. D.	- - -	Do. - - -	0'804
4,664 A.	Bujah - - -	East India - - -	0'803
169 A. B. C. D.	Red Wood - - -	Jamaica - - -	0'803
208 A. B. C. D.	Canto - - -	Trinidad - - -	0'799
8 A. B. C. D.	Blackwood - - -	Tasmania - - -	0'798
3,952 A.	Jymungul - - -	East India - - -	0'797

TABLE I.—continued.

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1'000.
56 A. B. Aa. Ab.	Eugenia Marginata - -	Queensland - - -	0'797
21 A.	Black Oak - - -	Liberia - - -	0'796
118 A. B. Aa. Ab.	Acacia Sapindoides - -	Queensland - - -	0'795
59 A. B. Aa. Ab.	Myrtus Aememoides - -	Do. - - -	0'795
351 A.	Musk Wood - - -	Jamaica - - -	0'794
7,618 A. B.	Thin Ghan - - -	East India - - -	0'793
5,607 A.	Peasal - - -	Do. - - -	0'793
109 A. B.	Swamp Mahogany - -	New South Wales (North)	0'793
51 A. B. C. D.	Pencil Cedar; Turnip Wood -	Do. do. - -	0'792
4,662 A.	Dhengun - - -	East India - - -	0'791
10,225 A.	Saul - - -	Do. - - -	0'790
116 A. B.	Acacia - - -	Queensland - - -	0'790
5,600 A.	Sissoo (Black) - - -	East India - - -	0'790
7 A. Aa.	Tea Tree (Hunter River) -	New South Wales - -	0'786
84 A. B. Aa. Ab.	Satin Wood - - -	Queensland - - -	0'785
69 A. B.	Found at Clarence and Richmond Brush Forests.	New South Wales (North)	0'784
338 A. B. C.	Spanish Elm - - -	Jamaica - - -	0'784
112 Aa. Ab.	N. O. Capparidacæ - -	Queensland - - -	0'783
207 A. B. C. D.	Canto - - -	Trinidad - - -	0'783
8 A. B. Aa. Ab.	Shingle Oak - - -	Queensland - - -	0'781
15 A. B. Aa. Ab.	Silky Oak - - -	Do. - - -	0'780
10,420 A. B.	Thau-duy - - -	East India - - -	0'780
6,545 A.	Toumatsut - - -	Do. - - -	0'779
144 A.	Bengha - - -	Do. - - -	0'779
10 A. B.	Menem, Box of Illawarra -	New South Wales (North)	0'777
6,550 A.	Pangah - - -	East India - - -	0'776
34 A. B.	Dark Yellow Wood - -	Queensland - - -	0'776
5 A. B.	Kakaralli - - -	British Guiana - -	0'774
7,622 A. B. C. D.	Oak Au - - -	East India - - -	0'774
17 A. B. Aa. Ab.	Tulip Tree - - -	Queensland - - -	0'771
10,476 A.	Nyoo Tha - - -	East India - - -	0'771
23 A. B.	Samak or Sumach - -	Do. - - -	0'770
3,950 A.	Kaim - - -	Do. - - -	0'770
4,667 A.	Trosum - - -	Do. - - -	0'770
47 A. B. Aa. Ab.	Lime - - -	Queensland - - -	0'768
332 A. B. C. D.	Hogberry - - -	Jamaica - - -	0'768
10,426 A. B. C.	Kuyon Tenk - - -	East India - - -	0'767
10,226 A.	Sissoo - - -	Do. - - -	0'766
44 A. B.	Black Myrtle - - -	New South Wales (North)	0'765
10,417 A.	Paet-than - - -	East India - - -	0'763
15 A. B. C. D.	Burr Wood - - -	Liberia - - -	0'760
3,954 A.	Londya - - -	East India - - -	0'759
17 A. B.	Brimstone - - -	Liberia - - -	0'759
10,394 A. B.	Thabychgin - - -	East India - - -	0'756
2,474 A.	Brombong - - -	Do. - - -	0'756
2,470 A.	Klat Mera - - -	Do. - - -	0'756
93 A. B. Aa. Ab.	N. O. Sterculiacæ - -	Queensland - - -	0'756
26 A. B.	Cherry of the Clarence -	New South Wales (North)	0'755
39 A. B. Aa. Ab.	Sassafras - - -	Queensland - - -	0'755
27 A. B. C.	Native Tamarind - -	New South Wales (North)	0'754
155 A. B.	Found at Illawarra and Brisbane Water.	Do. do. (South)	0'752
177 A. B. C. D.	Mountain Ash - - -	Do. do. do.	6'750
5 A. B.	Larch - - -	Russia - - -	0'749
206 A.	Bois de fer - - -	Trinidad - - -	0'748
72 A. B. C.	- - -	East India - - -	0'747
16 A. B.	Cherry - - -	Liberia - - -	0'746
11 A. B.	- - -	Hungary - - -	0'745
19 C. B.	Cedar - - -	Liberia - - -	0'745
33 A. B. Aa. Ab.	Rosewood - - -	Queensland - - -	0'744
61 A. B. C. D.	Wyagerie Flindosa - -	New South Wales (North)	0'743
7,072 A.	Klat - - -	East India - - -	0'742
4 A. B.	Gulgi - - -	New South Wales (North)	0'742
14 A. B. C. D.	} Gully Tree Fern (13 pieces) -	Victoria - - -	0'741
Aa. Ab. Ac. Ad.		- - -	- - -
24 A. B. C. D.	Wyagerie or Cugerie Ash, Beech, and Flindosa.	New South Wales (North)	0'740
136 A. B. C. D.	White Maple - - -	Do. - - (South)	0'737
9,239 A.	Bayang Bada - - -	East India - - -	0'737
10,406 A.	Bengah - - -	Do. - - -	0'736
23 A. B. C. D.	Urta Wymbie - - -	New South Wales (North)	0'735

TABLE I.—continued.

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1'000.
7,619 A. B.	Al Nan - - -	East India - - -	0'733
7,092 A.	Madang Serai - - -	Do. - - -	0'732
7,066 A.	Rungas - - -	Do. - - -	0'731
97 A. B. C. D.	White Gum - - -	Tasmania - - -	0'730
4,661 A.	Iwinrasse - - -	East India - - -	0'729
171 A. B. C. D.	Galba - - -	Trinidad - - -	0'729
3,956 A.	Taman - - -	East India - - -	0'729
180 B. C. D.	Crabtree - - -	Trinidad - - -	0'728
260 A. B.	Almond Tree - - -	Do. - - -	0'727
10,349 A. B.	Dwa Nee - - -	East India - - -	0'726
114 A. B.	Celtis Sp. - - -	Queensland - - -	0'726
10,364 A.	Pimlay Oong - - -	East India - - -	0'722
187 A. B. C. D.	Gommier - - -	Trinidad - - -	0'720
18 A. B. C.	Caraba or Crab Wood - - -	British Guiana - - -	0'719
7,527 A.	Ncem - - -	East India - - -	0'716
104 A. B.	Bitter Bark - - -	New South Wales (North) - - -	0'715
17 A. B.	Pobo. Found at Richmond, Lismire.	Do. do. do. - - -	0'715
14 A. B. C. D.	Houbaballi - - -	British Guiana - - -	0'715
10,354 A. B.	Thin Gan - - -	East India - - -	0'715
29 A. B. C.	Hitchia - - -	British Guiana - - -	0'712
30 A. B. Aa. Ad.	Beech - - -	Queensland - - -	0'710
5,608 A.	Koozoom - - -	East India - - -	0'709
51 A.	Cargillia Australis - - -	Queensland - - -	0'709
312 A.	Juniper Cedar - - -	Jamaica - - -	0'708
10,409 A.	Htecio - - -	East India - - -	0'706
7,515 A.	- - -	Do. - - -	0'705
23 A.	Yaxnic or Yaxniyg - - -	British Honduras - - -	0'702
7,090 A.	Kumpas - - -	East India - - -	0'701
83 A. B. Aa. Ad.	Rottlera - - -	Queensland - - -	0'699
7 A. B.	Whismore - - -	Liberia - - -	0'699
5,599 A.	Teak Sagoon - - -	East India - - -	0'695
22 A. B.	Yaxnie - - -	British Honduras - - -	0'695
1 A. B. C. D.	- - -	Hungary - - -	0'694
186 A. B.	Mango - - -	Trinidad - - -	0'693
1,214 A.	Doodhee - - -	East India - - -	0'690
10,359 A. B.	Toung-tha-lay - - -	Do. - - -	0'689
86 A. B.	Woodumpar - - -	Do. - - -	0'689
6,548 A.	Nabhay - - -	Do. - - -	0'689
27 A. B. C.	- - -	Hungary - - -	0'689
105 A. B.	Light Yellow Wood - - -	New South Wales (North) - - -	0'687
1 A. B.	Bogum Bogum - - -	Do. do. do. - - -	0'684
2,493 A.	Klaydang - - -	East India - - -	0'682
35 A. B. Aa. Ad.	Cugerie - - -	Queensland - - -	0'682
127 A.	Tamarind - - -	New South Wales (South) - - -	0'680
17 A. B. C. D.	- - -	Hungary - - -	0'680
31 A. B. C.	- - -	Victoria - - -	0'680
2,476 A.	Marsawa - - -	East India - - -	0'678
4,658 A.	Putteereca Sagoon - - -	Do. - - -	0'678
7,075 A.	Jermalang - - -	Do. - - -	0'678
10 A. B. C. D.	- - -	Hungary - - -	0'678
16 A. B. C. D.	Desert Cypress Pine - - -	Victoria - - -	0'677
10,221 A.	Philibeet - - -	East India - - -	0'675
37 Aa. Ad.	Capparis Mitchellii - - -	Queensland - - -	0'675
6,547 A.	Khyong-Yyook - - -	East India - - -	0'675
167 A. B. C.	Cacapoule - - -	Trinidad - - -	0'675
2 A.	Larch - - -	Russia - - -	0'674
93 A. B.	Celtis Opaca - - -	New South Wales (North) - - -	0'674
45 A. B.	Clarence and Richmond Brush - - -	Do. do. do. - - -	0'674
4 A. B. C. D.	- - -	Hungary - - -	0'673
201 A. B. C. D.	- - -	Trinidad - - -	0'673
Aa. Ad. Ac. Ad.	Laurier-blanc - - -	- - -	0'673
8 A.	- - -	Hungary - - -	0'669
3,948 A.	Siris - - -	East India - - -	0'668
11 A.	Light Yellow Wood - - -	Queensland - - -	0'667
5,604 A.	Gumbaree - - -	East India - - -	0'664
4,659 A.	Doodhea Sagoon - - -	Do. - - -	0'664
6,542 A.	Kokoh - - -	Do. - - -	0'662
6,551 A.	Lein - - -	Do. - - -	0'662
7,524 A.	Kaitha - - -	Do. - - -	0'661
120 A.	Teak - - -	East India - - -	0'661
189 A. B. C. D.	Jack Fruit - - -	New South Wales (South) - - -	0'661
284 A. B.	Tecoma Stans - - -	Jamaica - - -	0'661
	- - -	Do. - - -	0'659

TABLE I.—continued.

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1·000.
6 A. B. C. D.	- - - -	Hungary - - - -	0·658
9,238 A. B.	- - - -	East India - - - -	0·657
44 A. B. C. D.	Honeysuckle - - - -	Victoria - - - -	0·657
4 A. B.	Larch - - - -	Russia - - - -	0·656
43 A. B. A.G. A.B.	Tamarind Tree - - - -	Queensland - - - -	0·656
320 A. B.	Yoke Wood - - - -	Jamaica - - - -	0·655
10,405 A. B.	Hnau - - - -	East India - - - -	0·652
7 A.	- - - -	Hungary - - - -	0·651
10,380 A.	Kokoh - - - -	East India - - - -	0·651
6 A. B. C. D.	Riga Oak - - - -	Russia - - - -	0·650
3,949 A.	Hurdoo - - - -	East India - - - -	0·648
5,597 A.	Guringa - - - -	Do. - - - -	0·641
40 A. B. C. D.	Coast Honeysuckle - - - -	Victoria - - - -	0·640
31 A. B. A.G. A.B.	White Cedar - - - -	Queensland - - - -	0·638
12 A. B. C. D.	Honeysuckle - - - -	Victoria - - - -	0·633
7,665 A. B.	Dhane Eha - - - -	East India - - - -	0·631
6,544 A.	Poukthennia-my-ek-Kyouk - - - -	Do. - - - -	0·630
67 A. B. C.	Sassafras - - - -	Tasmania, R. B. - - - -	0·629
7,517 A.	Toon - - - -	East India - - - -	0·623
75 A. B. C.	Mungkudu - - - -	Do. - - - -	0·623
2,488 A.	Mandang Saraya Batoo - - - -	Do. - - - -	0·621
367 A. B.	White Cedar? - - - -	Jamaica - - - -	0·621
7,674 A.	Tonk Isa - - - -	East India - - - -	0·622
5,605 A.	Jack "Punseo" - - - -	Do. - - - -	0·621
25 A. B. C. D.	Urri Burrigundie - - - -	New South Wales (North) - - - -	0·614
125 A. B. C. D.	Maiden's Blush, Ladies' Blush - - - -	Do. do. (South) - - - -	0·614
10,361 A. B.	Poonyet - - - -	East India - - - -	0·604
4,657 A.	Seba Sasoon Teak - - - -	Do. - - - -	0·601
140 A. B.	Light Wood, Leather Jacket, Coach Wood. - - - -	New South Wales (South) - - - -	0·600
5 A. B. A.G. A.B.	She Pine - - - -	Queensland - - - -	0·600
22 A. B. C. D.	Mahogany - - - -	Liberia - - - -	0·599
10 A. B. A.G. A.B.	Red Cedar - - - -	Queensland - - - -	0·599
6,549 A.	Titsein? - - - -	East India - - - -	0·596
20 A.G. A.B. A.C. A.D.	Mahogany - - - -	Liberia - - - -	0·595
28 A. B.	- - - -	Hungary - - - -	0·593
39 A. B. C. D.	Spurious Mulberry Tree - - - -	Victoria - - - -	0·592
A.G. A.B. A.C. A.D.	Beefwood - - - -	Queensland - - - -	0·588
16 A. B. A.G. A.B.	Pine (Hunter River) - - - -	New South Wales - - - -	0·583
A.	Tinyoben - - - -	East India - - - -	0·581
10,435 A.	Leichhardt's Wood - - - -	Queensland - - - -	0·579
87 A.	Cherry - - - -	New South Wales (North) - - - -	0·578
19 A.	Bher - - - -	East India - - - -	0·574
4,670 A.	Capada Wood - - - -	Jamaica - - - -	0·573
343 A. B. C.	Silver Wattle - - - -	Tasmania, R.B. - - - -	0·571
102 A. B. C. D.	White Myrtle, Blue Ash, Ash - - - -	New South Wales (South) - - - -	0·571
139 A.	Brangan - - - -	East India - - - -	0·567
9,240 A.	Pine Brush - - - -	New South Wales (North) - - - -	0·565
68 A.	Thu-Viloot-ma - - - -	East India - - - -	0·564
10,419 A.	- - - -	- - - -	- - - -
92 A. B. A.G. A.B.	Anacardiaceæ - - - -	Queensland - - - -	0·562
B.G. B.B.	- - - -	- - - -	- - - -
22 A. B. C. D.	Woorrodi - - - -	New South Wales (North) - - - -	0·556
198 A.	Laurel - - - -	Trinidad - - - -	0·552
158 A. B. C. D.	Garlick Pear - - - -	Do. - - - -	0·548
378 A.	Fig Tree (wild) - - - -	Jamaica - - - -	0·547
162 A. B.	Mahoe - - - -	Trinidad - - - -	0·546
15 A. B.	- - - -	Hungary - - - -	0·546
10,427 A. B.	Yehmaneh - - - -	East India - - - -	0·544
10,438 A. B. C.	Nasha - - - -	Do. - - - -	0·542
4,672 A.	Khumee - - - -	Do. - - - -	0·542
1,772 A.	Chump - - - -	Do. - - - -	0·540
1,219 A.	Toon - - - -	Do. - - - -	0·540
248 A.	Cypre - - - -	Trinidad - - - -	0·534
8. B.	Coorong, Cypress Pine - - - -	New South Wales (North) - - - -	0·533
10,422 A. B.	Thanat - - - -	East India - - - -	0·531
3 A. B. C. D.	- - - -	Hungary - - - -	0·530
324 A. B.	Santa Maria - - - -	Jamaica - - - -	0·523
1 A. B. A.G. A.B.	Bunya Bunya - - - -	Queensland - - - -	0·513
35 A. B.	Undambie - - - -	New South Wales (North) - - - -	0·507
7,077 A.	Sittola - - - -	East India - - - -	0·507
7,525 A. B.	Auru - - - -	Do. - - - -	0·506
1 A. B. C. D.	Riga Fir - - - -	Russia - - - -	0·503

TABLE I.—*continued.*

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1·000.
2,490 A.	Niatoo - - - -	East India - - -	0·499
9,247 A.	- - - - -	Do. - - - - -	0·498
10,429 A.	Momakha - - - -	Do. - - - - -	0·493
18 A. B.	Aralia Elegans - - -	Queensland - - -	0·483
25 A. B. C. D.	- - - - -	Hungary - - - -	0·482
15 A. B. C. D.	Moreton Bay Pine - -	New South Wales (North)	0·482
7,064 A.	Jurai - - - - -	East India - - -	0·472
10,430 A. B. C.	Toubein - - - - -	Do. - - - - -	0·461
10 A. B.	Pasak - - - - -	British Honduras -	0·470
26 A. B.	- - - - -	Hungary - - - -	0·468
2 A. B. A.C. A.D.	Moreton Bay Pine - -	Queensland - - -	0·465
5 A. B. C. D.	- - - - -	Hungary - - - -	0·460
176. 176/16.	Polai Cedar - - - -	New South Wales (South)	0·459
7,522 A.	Arar - - - - -	East India - - -	0·459
10,430 A. B. C.	Toubein - - - - -	Do. - - - - -	0·441
24 A. B.	- - - - -	Austria - - - - -	0·427
22 A. B. C. D.	Pinus Abies - - - -	Do. - - - - -	0·423
21 A. B. C.	Pinus Picea - - - -	Do. - - - - -	0·420
529 A. B. C.	Galla Pear - - - -	Jamaica - - - - -	0·414
7,070 A.	Bakkoh - - - - -	East India - - -	0·413
20 A. B. C. D.	Pinus Picea - - - -	Austria - - - - -	0·408
14 A.	Flindersia Selwiniana -	Queensland - - -	0·407
10,421 A.	Kyoun-douk - - - -	East India - - -	0·392
10,366 A. B.	Yimma - - - - -	Do. - - - - -	0·385
16 A. B.	- - - - -	Hungary - - - -	0·394
1,771 A.	Toon - - - - -	East India - - -	0·305
10,465 A. B.	Dedoaf Tha - - - -	Do. - - - - -	0·260

TABLE I.—*continued.*

SPECIFIC GRAVITIES.

Book 2, page 31.

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1'000.
20 C.	Cuamara or Touka - - -	British Guiana - - -	1'208
20 D.	Do. - - -	Do. - - -	1'148
16 A.	Burueh Bully or Bullet Tree -	Do. - - -	1'065
16 B.	Do. - - -	Do. - - -	1'055
16 C.	Do. - - -	Do. - - -	1'089
16 D.	Do. - - -	Do. - - -	1'039
7 A.	Moraballi or Moorabali - - -	Do. - - -	0'836
7 B.	Do. - - -	Do. - - -	0'863
7 C.	Do. - - -	Do. - - -	0'810
7 D.	Do. - - -	Do. - - -	0'830
29 A.	Hitchia - - -	Do. - - -	0'765
15 B.	Mora - - -	Do. - - -	0'952
15 C.	Do. - - -	Do. - - -	1'014
15 D.	Do. - - -	Do. - - -	0'918
14 A.	Houbaballi - - -	Do. - - -	0'789
14 B.	Do. - - -	Do. - - -	0'705

TABLE II.
EXPERIMENTS for ASCERTAINING the BREAKING WEIGHT

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection				
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600	
AUSTRIA.								
20 A.	-	Pinus picea	2 by 1½	broke	..	..	..
20 B.	-	Do.	..	..	..	..	..
20 C.	-	Do.	2 by 2	..	..	..	..
20 D.	-	Do.	..	..	..	..	..
21 A.	-	Do.	..	..	..	..	..
21 B.	-	Do.	2 by 1½	..	..	..	..
21 C.	-	Do.	2 by 2	..	..	..	..
22 A.	-	Pinus abies	..	..	..	..	..
22 B.	-	Do.	1½ by 1½	..	..	..	..
22 C.	-	Do.	2 by 1½	..	..	..	..
22 D.	-	Do.	..	..	..	..	..
24 A.	-	Do.	2 by 2	..	..	..	..
24 B.	-	Do.	2 by 1½	..	..	..	..
24 Aa.	-	Do.	2 by 2	117	17	broke	..	
24 Ab.	-	Do.	..	109	188	..	..
BRITISH GUIANA.								
4 A.	Wadaduri, or Monkey Pot.	Lecythis grandiflora, Aubl.	1½ by 2	082	16	255	broke	
4 B.	Do.	Do.	2 by 2	077	121	239	..	
4 C.	Do.	Do.	..	095	179	broke	..	
4 D.	Do.	Do.	..	095	175	434	broke	
5 A.	Kakaralli	Lecythis Ollaria, Lin.	1½ by 1½	075	138	broke	..	
5 B.	Do.	Do.	..	091	174	..	..
7 A.	Moraballi, or Moora-balli.	..	2 by 2	052	113	..	..
7 B.	Do.	..	..	..	..	..	..
7 C.	Do.	..	1½ by 2	110	168	..	..
7 D.	Do.	..	2 by 2	074	122	..	..
14 A.	Houbaballi	..	1½ by 2	064	107	..	..
14 B.	Do.	..	1½ by 2	159	broke	..	..
14 C.	Do.	..	1½ by 1½	broke	..	..	..
14 D.	Do.	..	2 by 2	131	broke	..	..
15 A.	Mora	..	..	broke	..	..	..
15 B.	Do.	..	..	..	..	..	..
15 C.	Do.	Mora excelsa, Benth.	1½ by 2	060	103	178	broke	
15 D.	Do.	Do.	1½ by 1½	066	112	238	..	
16 A.	Burneh, Bully, or Bullet Tree.	Sapota Mulleri, Miq.?	2 by 2	073	113	214	..	
16 B.	Do.	..	..	066	095	119	150
16 C.	Do.	Do.	..	043	064	090	125	
16 D.	Do.	Do.	..	046	068	090	108	
18 A.	Caraba, or Crab Wood	Carapa guianensis, Aubl.	..	060	084	104	154	
18 B.	Do.	Do.	..	081	151	269	broke	
18 C.	Do.	Do.	..	084	130	258	..	
20 A.	Cumara, or Tonka	..	..	118	broke	..	..
20 B.	Do.	..	..	..	..	..	..
20 C.	Do.	Dipteryx odorata	..	054	072	096	123	
20 D.	Do.	Do.	1½ by 1½	049	067	088	114	
26 A.	Sipiri, or Greenheart	Nectandra Rodicei	2 by 2	056	074	095	119	
26 B.	Do.	..	..	047	066	083	107
26 C.	Do.	Do.	..	058	078	097	broke	
26 D.	Do.	Do.	..	067	094	137	..	
26 Aa, Ab.	Do.	Do.	..	044	06	079	101	
26 Ac.	Do.	Do.	..	058	074	097	129	
26 Ad.	Do.	Nectandra Schomb.	1½ by 1½	059	094	117	144	
29 A.	Hitchia	Do.	..	..	..	..	..
29 B.	Do.	..	2 by 2	065	089	112	143	
29 C.	Do.	..	..	097	201	broke	..
			..	130	260	..	..
			..	157	broke	..	..

TABLE II.

when the WOODS were SUBMITTED to a TRANSVERSE STRAIN.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	784	·58	Tolerably good fracture.
..	1,036	·76	Fracture not very good.
..	1,764	·495	Short and sudden fracture.
..	1,083	·794	Tolerably good fracture.
..	1,717	·375	Good fracture, rather fibrous.
..	1,484	·365	Tolerably good fracture.
..	1,904	·325	Rather short fracture.
..	1,680	·390	Do. do.
..	1,680	·391	Do. do.
..	2,128	·315	Tolerably good fracture, part short, part fibrous, and part not broken.
..	1,908	·26	Rather short fracture; large shakes in specimen, but did not have any bad effect.
..	2,240	·406	Brittle, broke near a knot.
..	2,184	·225	Tolerably good fracture.
..	4,396	1·000	Good fibrous fracture.
..	4,480	·434	
..	5,040	·715	Good fracture, gradual.
..	4,928	·740	Do. do.
..	4,340	·438	Tolerably good.
..	4,480	·672	Do.
..	4,480	·325	Cleavage in a shake, and slight fracture.
..	3,360	·323	Short fracture.
..	4,088	·222	Tolerable fracture.
..	4,088	·244	Do.
..	4,648	·210	Cleavage.
..	3,808	·179	Do.
..	2,884	·324	Rather short fracture; slight symp- toms of dry rot.
..	2,128	..	Short sudden fracture.
..	2,632	·284	Rather short fracture.
..	1,848	·148	Rather short fracture; very slight symptoms of dry rot.
..	No experiment.
..	4,928	·267	Tolerably good fracture.
..	4,704	·344	Good fracture.
..	4,732	·332	Do.
·201	·272	broke	..	..	..	8,288	·442	Good fibrous fracture and cleavage.
·188	broke	..	..	..	..	7,224	·230	Cleavage.
·155	·231	broke	..	..	..	8,904	·570	Very good fibrous fracture.
·241	broke	..	..	..	..	7,196	·526	Slight fracture and cleavage.
..	4,928	·729	Good fracture and cleavage.
..	4,536	·345	Cleavage and good fracture.
..	3,192	·276	Good fracture.
..	No experiment.
·157	broke	..	..	..	..	7,616	·286	Good fracture.
·148	7,784	·311	Do.
·156	7,672	·347	Do.
·137	·18	broke	..	..	..	8,811	·281	Partly a good fracture; fibrous, with cleavage; small shakes.
..	5,600	·126	Cleavage only in shake.
..	5,525	·21	Fibrous fracture; shakes in specimen.
·127	·172	broke	..	..	..	8,596	·28	Cleavage only: good specimen.
broke	6,328	·173	Cleavage in a shake.
·181	·256	..	..	..	..	8,540	·406	
broke	5,973	·165	Very slight fracture; cleavage.
..	4,004	·383	Long, good fracture.
..	3,556	·355	Tolerably good fracture.
..	3,192	·283	Good fracture, rather sudden.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
BRITISH HONDURAS.							
1 A.	Siricote		2 by 2	'079	'116	'182	broke
1 B.	Do.		"	'120	'224	broke	..
1 C.	Do.		"	'116	'214s	'640	broke
2 A.	Cranadilla		"	'082	'103	'142	'179s
2 B.	Do.		"	'076	'101	'130	'162
3 A.	Chicheur		2 by 1½	'171	broke	..	..
3 B.	Do.		2 by 2	'107	'178	broke	..
3 C.	Do.		"	'098	'146	"	..
3 D.	Do.		2 by 1½	..	..	..	..
4 A.	Canasin		2 by 2	'058	'075	'092	'120
4 B.	Do.		"	'060	'079	'098	'122
6 A.	Chucxax		"	'084	'123	'194	broke
8 A.	Pimento		"	'080	'108	'150	'213s
9 A.	Santa Martia		"	'257	broke	..	..
9 B.	Do.		"	'469	"	..	..
10 A.	Pasak		"	broke	..	..	..
10 B.	Do.		"	"	..	..	..
11 A.	Chucya		"	'088	'130	'201	broke
13 A.	Bullet Wood		"	'068	'093	'118	'166
13 B.	Do.		"	'065	'090	'124	'176
14 A.	Tastab		"	'079	'112	'127	'290
14 B.	Do.		2 by 1½	'086	'123	'186	broke
15 A.	Mabinjuh or Mabin- jul.		2 by 2	'071	'107	'164	'404s
16 A.	Subin or Cubin		"	'087	'133	'242	'623
16 B.	Do.		2 by 1½	'080	'139	'231	broke
17 A.	Sapodilla		2 by 2	'086	'120	'196	'376s
18 A.	Kaskat		"	'117	'233	broke	..
21 A.	Caoutchouc		"	'087	'115	'146	'186
21 B.	Do.		"	'082	'112	'141	'175
21 C.	Do.		"	'090	'117	'153	'222
21 D.	Do.		"	'090	'132	'192	'304
22 A.	Yaxnic		"	'178	broke	..	..
22 B.	Do.		"	'223s	..	..	..
23 A.	Yaxnic or Yaxnig		"	'106	'203	broke	..
25 A.	Roble Blanco		"	'102	'160	'294	broke
CEYLON.							
1 A.	Halmolilli		2 by 2	'086	broke	..	..
2 A.	Iron or Beef Wood		"	'054	'09	'1	'124
3 A.	Taminig		"	'08	'139	'311	broke
4 A.	Satin Wood		"	'1	'136	'188	broke
EAST INDIA.							
23 A.	Samak or Sumach, or Divi-divi bark.	Cæsalpinia coriaria	2 by 2	'132	broke	..	..
23 B.	Do.	Do.	"	'138	"	..	..
30 A.	"	"	"	..	..	..	..
30 B.	"	"	"	..	..	..	..
30 C.	"	"	"	..	..	..	..
75 A.	Mungkudu	M. umbellata	2 by 2	'243	broke	..	..
75 B.	Do.	Do.	"	broke	..	..	..
75 C.	Mungkudu	Do.	"	'208s	broke	..	..
72 A.	"	"	"	..	..	..	..
72 B.	"	"	"	..	..	..	..
72 C.	"	"	"	..	..	..	..
80 A.	"	"	"	..	..	..	..
80 B.	"	"	"	..	..	..	..
86 A.	Woodunpar	"	2 by 2	'096	'152	broke	..
86 B.	Do.	"	"	'112	'173	"	..
104 A.	"	"	"	..	..	..	..
104 B.	"	"	"	..	..	..	..
104 C.	"	"	"	..	..	..	..

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
EAST INDIA.			" "				
140 A.	Sandal Wood	Santalum album	2 by 2	·077	·103	·135	·179s
140 B.	"	"	"	·069	·091	·115	·150
144 A.	Bengha	"	"	·086	·134	broke	"
145 A.	Bou	"	"	·090	·120	·109	broke
147 A.	Terruvah	"	"	·070	·100	·133	·176
185 A.	Blackwood	Dalbergia frondosa	"	·088	·117	·153	broke
1,214 A.	Doodhee	Asclepias rosea	1½ by 2	·159	broke	"	"
1,215 A.	Karee	Uvaria	2 by 2	·142	·241	"	"
1,219 A.	Toon	Cedrela Toona	"	·157	broke	"	"
1,220 A.	Unjun	Hardwickia binata	"	·116	·157	·216	broke
1,220 B.	Do.	Do.	"	·110	·154	·226	"
1,771 A.	Toon	Cedrela Toona	"	broke	"	"	"
1,772 A.	Chump	"	"	·148	broke	"	"
2,345 A.	Tenasserim Mahogany.	Magnolia	"	·071	·094	·123	·166
2,462 A.	Balou	"	"	"	"	"	"
				·061	·081	·108	·146
2,462 B.	Do.	"	"	·064	·083	·109	·143
2,465 A.	Marabow	"	"	·075	·104	broke	"
2,468 A.	Pannaga	"	"	·045	·068	·079	·094
2,470 A.	Klat Mera	"	"	·076	·133	broke	"
2,471 A.	Kasso	"	"	·048	·063	·079	·102
2,474 A.	Brombong	"	"	·078	·109	·153	broke
2,476 A.	Marsawa	"	"	·123	·363	broke	"
2,488 A.	Madang Saraya Batoo.	"	"	·111	·284	"	"
2,490 A.	Niatoo	"	"	·237	broke	"	"
2,493 A.	Klaydang	"	"	·074	·119	·186	broke
3,948 A.	Siris	Acacia Sirisa	"	·138	broke	"	"
3,949 A.	Hurdoo	Nauclea cordifolia	"	·117	"	"	"
3,950 A.	Kaim	N. parvifolia	"	·150	"	"	"
3,951 A.	Pindra	Nauclea orientalis	2 by 1½	·148	·242	broke	"
3,952 A.	Jymungul	"	2 by 2	·091	·132	·212	broke
3,953 A.	Rohnee	Acacia leucoploca ?	1½ by 1½	·143	·203	·330	"
3,954 A.	Londya	"	2 by 2	·142	·272	broke	"
3,955 A.	Kardahee	Conocarpus mystifolium	"	·117	·189	"	"
3,956 A.	Taman	Eugenia jambolana	"	·111	·175	"	"
3,957 A.	Tine or Sisso	Dalbergia Sissoo	"	·118	·181	"	"
3,961 A.	Mowah	Bassia longifolia	"	·097	·145	·256	broke
4,657 A.	Seba Sagoon Teak	Tectona grandis	"	·125	broke	"	"
4,658 A.	Putteereea Sagoon	Do.	"	·074	·153	broke	"
4,659 A.	Doodheea Sagoon	Do.	"	·100	·179	"	"
4,660 A.	Surreye	Shorea robusta	"	·088	·125	·205	broke
4,661 A.	Jiomrassee	"	"	·082	·131	broke	"
4,662 A.	Dhangun	Cordia macleodia	1½ by 1½	·089	·139	·240	broke
4,663 A.	Saj	Terminalia arguna	2 by 2	·191	broke	"	"
4,664 A.	Beejah	Pterocarpus, sp.	"	·085	·117	·166	broke
4,665 A.	Kowah	Terminalia arguna	"	·103	·179	·347	broke
4,666 A.	Ghattoo	Zizyphus zylopyxa, or glabra.	"	·094	broke	"	"
4,667 A.	Trosun	"	"	·145	·220	broke	"
4,668 A.	Dhowrah	Conocarpus latifolius	"	·073	·097	·142	·218
4,670 A.	Bher	Zizyphus jujaba	"	·216	broke	"	"
4,671 A.	Bauhul	Acacia arabica	"	·074	·106	·156	·232
4,672 A.	Khume	"	"	·182	broke	"	"
4,754 A.	Ironwood	Inga xylocarpa	"	·053	·074	·094	·116
4,754 B.	Do.	Do.	"	·057	·072	·095	·118
5,597 A.	Guringa	"	"	·116	·187	broke	"
5,598 A.	Sál	Shorea robusta	"	·064	·090	·118	·173
5,599 A.	Teak 'Sagoon'	Tectona grandis	"	·116	·195	broke	"
5,600 A.	Sissoo, black	Dalbergia Sissoo	"	·068	·096	·123	·151
5,601 A.	Burdur	"	"	·074	·106	·166	·266
5,602 A.	Abloos or Kándoo	Diospyros melanoxylon	"	·088	·133	·199	·364
5,603 A.	Assán	Terminalia tomentosa	"	·228	·548	broke	"
5,604 A.	Gumbaree	"	"	·134	·245	"	"
5,605 A.	Jack 'Pumsee'	Artocarpus integrifolia	"	broke	"	"	"
5,606 A.	Red Sissoo	Dalbergia Sissoo	"	·076	·106	·152	·284
5,607 A.	Peasal	Buchanania latifolia	"	·085	·169	·195	broke

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
broke	6,440	*244	Good but not fibrous fracture.
*204	broke	..	..	..	..	7,616	*290	Short sudden fracture.
..	4,396	*352	Good, but not very fibrous fracture.
..	4,732	*282	Long fracture, not fibrous, and slight cleavage.
broke	6,608	*300	Good, but not very fibrous fracture.
..	5,600	*202	Cleavage only.
..	2,800	*260	
..	3,360	*355	Good, but not fibrous fracture.
..	3,080	*340	Good, but rather short fracture.
..	5,376	*314	Rather short fracture.
..	5,404	*350	Do.
..	1,157	*229	Short and sudden fracture.
..	3,360	*350	Very short and sudden fracture.
*227	broke	..	..	..	..	7,616	*520	Very good fibrous fracture, and slight cleavage.
*218	7,504	*382	Outside fibres only parted a little, and cleavage.
*187	7,806	*290	Do. do.
..	4,396	*230	Good fracture.
*115	*140	broke	..	..	..	8,960	*172	Cleavage.
..	4,480	*435	Very good fracture; not very fibrous.
*133	*173	broke	..	..	..	8,848	*250	Cleavage.
..	5,096	*230	Short fracture.
..	3,416	*430	
..	3,528	*500	
..	2,464	*332	
..	4,536	*230	Good, but not very fibrous fracture, and cleavage.
..	3,248	*290	
..	3,136	*160	Short fracture; knot in specimen.
..	2,800	*278	Good, but not a fibrous fracture.
..	4,424	1'033	Deflection .5 before fracture started.
..	5,264	*310	Good long fracture.
..	5,012	*410	Rather short fracture.
..	3,752	*450	Slight fibrous fracture, and cleavage.
..	4,424	*800	Fracture at small knot in specimen.
..	3,640	*215	Short fracture.
..	3,780	*400	Good, but not fibrous, fracture.
..	4,704	*353	Short fracture.
..	3,192	*185	Broke through very short.
..	3,976	*430	
..	3,864	*303	
..	4,984	*410	Fibrous fracture, and cleavage.
..	4,088	*200	
..	5,096	*380	Good fracture.
..	2,912	1'029	Slow fracture; not very fibrous.
..	5,376	*260	Short fracture; not very fibrous.
..	4,928	*634	Fibrous fracture; showed considerable compression.
..	2,464	*150	Not fibrous fracture; specimen shaken and worm-eaten.
..	3,808	*383	Good fracture.
broke	6,440	*572	Rather short fibrous fracture.
..	2,576	*274	
broke	5,992	*469	
..	2,856	*411	
*142	*185	*240s	broke	..	..	9,632	*404	Very good fracture, and little cleavage.
*151	*193s	broke	..	..	..	8,576	*390	Very good fracture.
..	3,416	*240	Rather short diagonal fracture.
*338	broke	..	..	..	..	6,720	*400	Cleavage.
..	4,032	*258	
*238	broke	..	..	..	..	7,728	*400	Good tough fracture.
broke	5,712	*317	Good fracture.
..	6,048	*680	Good fracture; not very fibrous.
..	3,976	1'276	Very tough.
..	3,584	*479	
..	1,848	*168	
broke	6,216	*540	Small fractures.
..	5,600	*230	

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
EAST INDIA.							
5,608 A.	Koozoom	"	" "	•097	•158	broke	..
5,609 A.	Keehar	"	2 by 2	•070	•102	•154	broke
5,610 A.	Koozoom	"	"	•100	•141	•200	•322
6,542 A.	Kokoh	Albizzia, sp.	"	•079	•124	•237	broke
6,544 A.	Pouktheuma-my-ek-kyouk.	Leguminosa	"	broke	..	..	..
6,545 A.	Toungkatseet	Do.	"	•168	broke	..	..
6,547 A.	Khyong-yook	Garuga pinnata, Roxb.	"	•110	•1688	broke	..
6,548 A.	Nabbay	Odina Wodier	"	•085	•164	..	..
6,549 A.	Titseim	Terminalia Bellerica Roxb.	"	•181	broke	..	..
6,550 A.	Paugah	Terminalia Chebula, Retz.	"	•086	•145	•259s	broke
6,551 A.	Lein.	Terminalia bialata, Roxb.	"	•107	broke	..	..
7,064 A.	Jurai	"	1½ by 1½	broke	..	..	..
7,065 A.	Gaham Bada	"	1½ by 1½	•113	•178	•303	•813s
7,066 A.	Rungas	"	2 by 1½	•111	•172	broke	..
7,067 A.	Bia-babi	"	1½ by 1½	•065	•100	•157	•260
7,070 A.	Bahkoh	"	2 by 2	broke	..	..	..
7,071 A.	Murbow	"	"	•063	•096	•198s	broke
7,072 A.	Klat	"	"	•092	•169	broke	..
7,075 A.	Jermalang	"	2 by 2	•127	•218s	..	..
7,077 A.	Sittola	"	2 by 2	•176	broke	..	..
7,086 A.	Dammer-laut	"	1½ by 1½	•069	•091	•135	•235
7,089 A.	Bintaling	"	2 by 2	•066	•091s	•140	broke
7,090 A.	Kumpas	"	"	•064	•110	•261	..
7,092 A.	Madang-Serai	"	1½ by 1½	•086	•154	broke	..
7,093 A.	Gading-gading	"	2 by 2	•070	•090	•113	•148
7,234 A.	"	"	"	..	..	..	..
7,234 B.	"	"	"	..	..	..	..
7,514 A.	Sakhoo	Shorea robusta	"	•100	•148	broke	..
7,514 B.	Do.	Do.	1½ by 1½	•091	•138	broke	..
7,515 A.	Toon	Cedrela Toona	"	•130	•288	broke	..
7,517 A.	Arar	"	2 by 2	•130	•288	broke	..
7,520 A.	Kaitha	Ailanthus excelsa	"	broke	..	..	..
7,524 A.	Aum	Feronia elephantum	"	•152	broke	..	..
7,525 A.	"	Mangifera indica	"	broke	..	..	..
7,527 A.	Neem	Melia azadirachta	"	•156s	broke	..	..
7,529 A.	Asna or Asan	Terminalia tomentosa	"	•085	•142	•262	broke
7,531 A.	Thin Gan	Do.	"	•130	•335	broke	..
7,618 B.	Do.	Hopea odorata	"	•129	•239	..	..
7,619 A.	Ah Nau	Xylocarpus granatum	"	•143	broke	..	..
7,619 B.	Do.	Do.	"	•195	..	..	..
7,622 A.	Oak An	"	"	•093	•135	•225	broke
7,622 B.	Do.	"	"	•081	•117	•178	..
7,622 C.	Do.	"	"	•117	broke	..	..
7,622 D.	Do.	"	"	•090	•131	•218	broke
7,629 A.	Bom Mai Za	Inga, sp.	"	•112	•218s	broke	..
7,629 B.	Do.	"	"	•065	•088	•110	•150
7,665 A.	Dhane Eha	Moringa pterygosperma	"	•157	broke	..	..
7,665 B.	Do.	Do.	"	•196	..	..	..
7,674 A.	Tonk Tsa	Vitex arborea	"	•196	..	..	..
7,674 B.	Do.	Do.	"	•172	..	..	..
7,677 A.	Tseek Tha	Acacia sirissa	"	•116	•199	broke	..
7,677 B.	Do.	Do.	"	•133	broke	..	..
9,238 A.	"	"	"	•193	broke	..	..
9,239 A.	Bayang Bada	"	1½ by 1½	..	..	..	..

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	4,256	*369	Not a very fibrous fracture.
..	5,432	*262	Good, but not fibrous, fracture.
broke	5,824	*610	Very fibrous fracture.
..	4,760	*310	Good fracture; threw out a splinter.
..	1,904	1'350	
..	2,800	*280	Short fracture.
..	3,948	*300	Good fracture.
..	4,312	*450	Do.
..	2,352	*435	Good, but not very fibrous, fracture.
..	4,480	*320	Good, but not fibrous, fracture.
..	3,192	*189	Very short fracture.
..	1,979	*358	Good, but rather short, fracture; symptoms of dry rot in specimen.
broke	5,600	1'126	First-rate fracture.
..	3,976	*250	Rather short fracture.
broke	5,852	*306	Good fracture.
..	1,512	*235	Sudden fracture; a few worm-holes in specimen.
..	5,012	*300	Short and sudden fracture; flaw in specimen.
..	4,256	*426	Fibrous fracture.
..	4,312	*734	Good tough fracture.
..	2,912	*410	Short and sudden fracture.
broke	6,020	*330	Good, long fracture.
..	5,376	*218	Cleavage, and fibres parted.
..	4,564	*360	Slight, good fracture, and cleavage.
..	4,172	*422	Good fibrous fracture.
*216 broke	7,700	*402	Good fibrous fracture.
..	} No experiment.
..	4,424	*360	Long but not fibrous fracture.
..	4,256	*204	Long, diagonal fracture.
..	No experiment.
..	3,584	*570	Good fracture.
..	No experiment.
..	1,456	*170	Very short and sudden fracture.
..	2,296	*210	Diagonal cleavage only.
..	2,128	*245	Brittle; very short and sudden frac- ture.
..	2,520	*183	Started at one ton. Symptoms of dry rot.
..	4,760	*315	Quite short fracture.
..	No experiments.
..	3,528	*584	Very elastic, good fracture.
..	3,668	*400	Short fracture.
..	2,800	*580	Good fracture; fibres parted to the end.
..	2,856	*516	Good fracture.
..	4,480	*569	Very good fracture, sudden at last.
..	5,096	*345	Good long fracture, diagonal, sudden at last.
..	2,856	*366	Defective specimen.
..	4,844	*282	Very good fracture.
..	3,472	*445	Part short and part fibrous fracture, and cleavage.
*198 broke	7,728	*316	Fibres parted a very little, and cleav- age.
..	2,800	*192	Not a fibrous fracture.
..	2,968	*550	Do. do.
..	3,186	*503	
..	2,912	*790	
..	3,360	*920	Good tough fracture.
..	2,744	*325	Not fibrous, and rather diagonal frac- ture.
..	No experiment.
..	3,192	*382	Cleavage, and fibres parted. Specimen worm-eaten.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
EAST INDIA.							
9,240 A.	Brangan		" " 2 by 2	123	333	broke	..
9,247 A.				100	175	..	..
10,221 A.	Philibeet	Nauclea cordifolia		085	153	"	..
10,225 A.	Saul	Shorea robusta	"	078	117	189	broke
10,226 A.	Sissoo	Dalbergia Sissoo	"	075	106	144	202
10,348 A.	Petwoon	Berrya mollis, Wall.	"	016	095	137	211
10,348 B.	Do.	Do.	"	094	150	2248	broke
10,349 A.	Dwa-Nee	Eriolœna, sp.	"	096	137	195	..
10,349 B.	Do.	Do.	"	069	099	142	218
10,352 A.	Eng	Dipterocarpus grandiflora, Wall.	"	069	096	127	175
10,352 B.	Do.	Do.	"	076	126	broke	..
10,354 A.	Thingan	Hopea odorata, Roxb.	"	083	144	"	..
10,354 B.	Do.	Do.	"	080	138	294	broke
10,355 A.	Thingadœ	Hopea, sp.	"	092	148	315	"
10,355 B.	Do.	Do.	"	080	124	223	..
10,356 A.	Engyin	Hopea suava	"	080	121	193	"
10,356 B.			"	067	088	120	163
10,357 A.	Theya	Shorea obtusa, Wall.	"	069	080	105	136
10,358 A.	Gangan	Mesua ferrea	"	042	062	085	113
10,358 B.	Do.	Do.	"	066	102	232	broke
10,359 A.	Toung-tha-lay	Garcinia Cowa, Roxb.	"	034	139	broke	..
10,359 B.	Do.	Do.	"	122	273	"	..
10,361 A.	Poonyet	Calophyllum, sp.	"	134	342	"	..
10,361 B.	Do.	Do.	"	130	broke	..	..
10,362 A.	Gyo	Schleichera trijuga, Wyld.	"	102	1938	broke	..
10,362 B.	Do.	Do.	"	100	158	"	..
10,364 A.	Pinlay-oong	Xylocarpus granatum, Kolu.	"	broke	..	..	..
10,366 A.	Yimma	Chickrassia tabularis, Juss.	"	broke	..	..	..
10,366 B.	Do.	Do.	"	068	091	127	171
10,367 A.	Boomayza	Albizia stipulata, Boir.	"	064	093	133	205
10,367 B.	Do.	Do.	"	057	076	098	122
10,373 A.	Gnoo-shwoay	Cathartocarpus fistula	1½ by 1½	100	160	broke	..
10,375 A.	May-za-lee	Cassia florida	2 by 2	084	128	broke	..
10,375 B.	Do.	Do.	"	074	106	148	211
10,376 A.	Yin-dike	Dalbergia, sp.	"	046	065	087	120
10,379 A.	Padouk	Pterocarpus dalbergioides.	"	040	060	083	109
10,379 B.	Do.	Do.	"	039	164	broke	..
10,380 A.	Kokoh	Albizia, sp.	"	066	104	162	broke
10,382 A.	Poukthenmamyek-kyouk.	Leguminosæ	"	083	124	188	broke
10,384 A.	Thitsee	Melanorrhœa usitatissima, Wall.	"	095	151	broke	..
10,386 A.	Nabhay	Odina Wodier	"	068	095	139	207
10,388 A.	Pangah	Terminalia chebula, Retz.	"	066	089	124	181
10,388 B.			"	055	078	130	181
10,390 A.	Htougkyan	Terminalia macrocarpa	"	056	082	121	193
10,390 B.	Do.	Do.	"	071	116	185	broke
10,393 A.	Bambouay	Careya arborea, Roxb.	"	105	182	broke	..
10,393 B.	Do.	Do.	"	071	140	broke	..
10,394 A.	Thabyehgjo	Eugenia obtusifolia	"	070	138	broke	..
10,394 B.	Do.	Do.	"	074	103	154	255
10,397 A.	Thabyehgah	Eugenia caryophyllæfolia, Roxb.	"	075	133	148	broke
10,399 A.	Laizah	Lagerstroemia pubescens, Wall.	"	078	130	214	broke
10,399 B.	Do.	Do.	"	105	158	broke	..
10,405 A.	Hnan	Nauclea cordifolia, Roxb.	"	106	170	broke	..
10,405 B.	Do.	Do.	"	088	131	206	broke
10,406 A.	Bingah	Nauclea diversifolia, Wall.	"	080	114	172	314
10,406 B.	Do.	Do.	"	..	..	..	..

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	3,584	·390	Good fracture, and part cleavage, No experiments.
..	·240	
..	3,640	·200	
..	3,864	·420	Good fracture.
..	5,376	·300	Very short fracture.
broke	6,440	·316	Do.
..	6,328	·400	Good fracture.
..	4,844	·300	Short sudden fracture.
..	5,180	·310	Cleavage only.
broke	5,092		
·196s	broke	..	..	..	..	6,944	·375	Good fracture.
..	4,144	·260	Rather good fracture; a little worm- eaten.
..	·306	Good fracture.
..	4,256	·541	Cleavage only.
..	4,816	·814	Very good fracture of fibres, and cleavage.
..	4,676	·438	Rather long, good fracture.
..	4,872	·400	Very good, fibrous fracture. Sap in specimen.
..	5,572		
broke	6,664	·280	Slight fibrous, and cleavage.
·180	broke	..	..	..	..	7,784	·310	Good fracture.
·152	·213	broke	..	..	..	8,680	·370	Do.
..	4,592	·340	Good, but not fibrous fracture.
..	4,284	·245	Good fracture.
..	3,640	·384	Do.
..	3,360	·376	Do.
..	3,024	·460	Broke at a knot.
..	·300	Long, but not fibrous fracture.
..	3,696	·230	Short, showing but little fracture.
..	3,920		
..	2,128	·336	Good fracture.
..	1,829	·336	Rather good fracture.
·269s	broke	..	..	..	..	7,224	·380	Long fracture, not fibrous.
broke	6,636	·450	Good fracture.
·158	broke	..	..	..	..	7,056	·250	Good, but not very fibrous fracture.
..	4,004	·210	Diagonal fracture, not fibrous.
..	4,088	·170	Do.
·367s	broke	..	..	..	..	6,776	·425	Good but rather short fracture.
·172	broke	..	..	..	..	7,168	·247	Good fracture.
·147	broke	..	..	..	..	7,728	·213	Rather short fracture.
..	4,144	·470	
..	5,040	·297	Quite short fracture.
..	4,760	·250	Good fracture.
..	4,312	·436	
broke	6,440	·390	Good fracture.
..	6,496	·334	Very good fracture.
broke	6,384	·350	Fibres parted slightly, and cleavage.
broke	6,328	·310	Do.
broke	5,012	·302	Not a fibrous fracture.
..	4,284	·560	Fracture inclined to be short; not fibrous.
..	4,032	·250	Rather short fracture.
..	3,640	·170	Rather short, not fibrous fracture.
broke	5,880	·410	Fibrous fracture.
..	4,853	·406	Rather short fracture.
..	5,040	·540	Fracture half short and half splin- tered.
..	4,200	·282	Rather short fracture
..	3,920	·290	Fracture long, not fibrous.
..	5,264	·636	Very good tough fracture.
broke	6,160	·716	Very good fracture.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
EAST INDIA.							
10,409 A.	Htein	Nauclaea parviflora, Roxb.	2 by 2	'073	broke	..	..
10,409 B.	Do.	Do.	"	'070	'132	broke	..
10,410 A.	Hteingalah	Nauclaea, sp.	"	'051	'076	'105	'144
10,410 B.	Do.	Do.	"	'064	'096	broke	..
10,415 A.	Khaboung	Strychnos nux vomica	"	'237	broke	..	..
10,416 A.	Toung-za-lat	Wrightia, sp.	"	'014	'100	'215	broke
10,416 B.	Do.	Do.	"	'090	'120	'263	broke
10,417 A.	Paet-than	Spathodea stipulata, Wall.	"	'102	'162	'277	broke
10,419 A.	Tha-khoot-ma	Spathodea Rheedii, Spreng.	"	'188	broke	..	..
10,419 B.	Do.	Do.	"	'178	broke	..	..
10,420 A.	Than-day	Bignonia, sp.	"	'075	'116	'198	broke
10,420 B.	Do.	Do.	"	'082	'124	'208	broke
10,421 A.	Kyoun-douk	Do.	"	broke	..	..	..
10,422 A.	Thanat	Cordia myxa	"	'575	broke	..	..
10,422 B.	Do.	Do.	"	broke	..	..	..
10,426 A.	Kuyon Teak	Tectona grandis	"	'113	'240	broke	..
10,426 B.	Do.	Do.	"	'096	'204	broke	..
10,426 C.	Do.	Do.	"	'149	broke	..	..
10,427 A.	Yemaneh	Gmelina arborea, Roxb.	"	broke	..	..	..
10,427 B.	Do.	Do.	"	'163	broke	..	..
10,429 A.	Momakha	Salix tetrasperma, Roxb.	"	broke	..	..	..
10,430 A.	Tounbein	Artocarpus mollis, Wall.	"	'179	broke	..	..
10,430 B.	Do.	Do.	"	'202	broke	..	..
10,430 C.	Do.	Do.	"	'131	broke	..	..
10,434 A.	Theetmin	Podocarpus neriifolia	"	'089	'123	'200	broke
10,435 A.	Tinyooben	Pinus Massoniana, Lamb.	"	'140	broke	..	..
10,435 B.	Do.	Do.	"	broke	..	..	..
10,438 A.	Nasha	Phyllanthus, sp.	"	broke	..	..	..
10,438 B.	Do.	Do.	"	'164	broke	..	..
10,438 C.	Do.	Do.	"	'184	broke	..	..
10,440 A.	Bamau	Do.	"	'048	'068	'097	'138
10,465 A.	Dedoap Tha	Do.	"	broke	..	..	..
10,465 B.	Do.	Do.	"	broke	..	..	..
10,475 A.	Manee Auka	Do.	"	'112	broke	'259	broke
10,475 B.	Do.	Do.	"	'108	'159	..	..
10,476 A.	Ngoo Tha	Cassia sp.	"	'096	broke	..	..
10,476 B.	Do.	Do.	"	'122	broke	..	..
10,476 C.	Do.	Do.	"	'115	'226	broke	..
10,477 A.	Kay Yooob	Do.	"	'054	'080	'112	'162
10,477 B.	Do.	Do.	"	'050	'075	'108	'167
10,477 C.	Do.	Do.	"	'063	'095	'145	'247
10,478 A.	Nat Gyee	Do.	"	'060	'090	'138	'186
10,478 B.	Do.	Do.	"	'069	'108	broke	..
10,478 C.	Do.	Do.	"	'076	'110	'152	'208
10,482 A.	Pune Tha	Do.	"	'085	'125	'212	broke
10,482 B.	Do.	Do.	"	'073	'106	'165	'318
10,485 A.	Padouk	Pterocarpus Dalbergioides.	"	'062	'073	'100	'142
10,485 B.	Do.	Do.	"	'046	'068	'096	'1418
10,485 C.	Do.	Do.	"	'083	'118	'168	broke
10,489 A.	Kya Ya	Mimusops cleugi	"	'066	'089	'136	'202
10,489 B.	Do.	Do.	"	'076	'108	'167	broke
10,491 A.	Zangyecoat-doup	Oak-leaved Polypod	"	'051	'076	'132	broke
10,491 B.	Do.	Do.	"	'063	'096	'151	broke
HUNGARY.							
1 A.	-	Acer platanoides	2 by 1 1/2	'116	'265	broke	..
1 B.	-	Do.	"	'131	'317	..	..
1 C.	-	Do.	"	'15	broke	..	..
1 D.	-	Do.	2 by 2	'103	'214	broke	..
2 A.	-	Sorbus terminalis	2 by 1 1/2	'118	'24	..	..
2 B.	-	Do.	1 1/2 by 1 1/2	'089	'306	..	..

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Fracture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	3,304	*140	Short fracture. Symptoms of dry rot.
..	3,696	*177	Short fracture.
201	broke	..	..	..	..	7,392	*336	Good fracture.
..	4,144	*184	Specimen shaky and worm-eaten.
..	2,912	*400	Short fracture, not fibrous.
..	4,704	*360	Cleavage.
..	4,760	*700	Very good fracture.
..	5,488	1'000	Very tough good fracture.
..	2,800	*327	Very short fracture.
..	2,688	*326	Short and sudden fracture.
..	5,068	*395	Very long good fracture.
..	5,372	*662	Very tough fracture.
..	1,512	*255	Sudden fracture; inclined to be short.
..	2,240	*800	Very good tough fracture; but symptoms of dry rot; slow in giving way.
..	2,128	*580	Specimen showed bad symptoms of dry rot.
..	3,416	*315	
..	3,416	*287	
..	2,940	*390	
..	2,128	*635	Rather short fracture; not good specimen.
..	2,688	*270	Rather good, but not a fibrous fracture.
..	1,307	*200	
..	2,408	*202	Rather good fracture. Specimen out of centre of tree.
..	2,613	*292	Rather short fracture.
..	3,248	*335	Good, but not very fibrous fracture.
..	5,152	*300	Cleavage only.
..	2,576	*280	Do.
..	2,072	1'900	Fracture inclined to be short.
..	2,128	*500	Good fracture.
..	2,744	*384	Do.
..	2,716	*543	Good but short fracture.
256	broke	..	..	..	..	7,056	*380	Fibres parted a little, and cleavage.
..	379	*291	Short and sudden fracture.
..	340	*291	Do.
..	2,744	*158	Sudden diagonal fracture.
..	4,592	*362	Good fracture.
..	3,248	*500	Fracture inclined to be short.
..	2,688	*165	Worm-eaten a little; short fracture.
..	3,808	*572	Good fracture.
269	broke	..	..	..	..	7,168	*490	Do.
broke	6,496	*500	Do.
..	6,384	*445	Cleavage and slight fracture.
287	broke	..	..	..	..	7,140	*520	Good fracture.
..	4,284	*168	Specimen shaky.
320s	broke	..	..	..	..	7,112	*436	Cleavage and slight fracture.
..	5,404	*400	Rather short, but good fracture.
broke	6,048	*736	Slow, long fracture.
broke	6,064	*270	Fibres slightly parted, and cleavage.
..	6,496	*320	Good fracture.
broke	5,432	*332	Diagonal fracture.
..	6,020	*530	Good, long fracture.
broke	5,544	*636	Good fracture.
..	5,544	*395	Long diagonal fracture.
..	5,544	*350	Half short and half fibrous fracture.
..	3,360	*36	Rather short fracture.
..	3,528	*38	Tolerably good fracture.
..	3,136	*47	Tolerably good fracture; part short.
..	3,864	*45	Rather short fracture.
..	4,004	*385	Tolerably good fracture.
..	4,480	*39	Short fracture.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
JAMAICA.							
160 A.	White Lance Wood	Guatteria laurifolia	" "				
160 B.	Do.	Do.	2 by 2	'084	'110	'142	'191
164 A.	Blood, or Iron Wood	Laplacea hæmatoxylon	1½ by 2	'088	'120	'160	'226
164 B.	Do.	Do.	2 by 2	'113	'175	broke	"
164 C.	Do.	Do.	"	'100	'168	"	"
164 D.	Do.	Do.	"	'094	'166	"	"
169 A.	Red Wood	Erythroxylon areolatum	"	'102	'169	"	"
169 B.	Do.	Do.	"	'070	'098	'150	broke
169 C.	Do.	Do.	"	'087	'130	'219	"
169 D.	Do.	Do.	"	'092	'140	'252	"
189 A.	Jack Fruit	Artocarpus integrifolia	"	'077	'122	'238	"
			"	'116	'206	broke	"
189 B.	Do.	Do.	"	'107	'213	"	"
189 C.	Do.	Do.	"	'343	broke	"	"
189 D.	Do.	Do.	2 by 1½	'140	broke	"	"
201 A.	Red Candle Wood	Amyris — ?	"	'076	'104	'140	'201
201 B.	Do.	Do.	2 by 1½	'073	'099	'129	'179
			2 by 2	"	"	"	"
201 C.	Do.	Do.	"	'084	'120	'172	'240
201 D.			"	"	"	"	"
210 A.		Casuarina equisetifolia	2 by 1½	'067	'092	'121	broke
210 B.		Do.	2 by 2	'081	'116	broke	"
210 C.		Do.	"	"	"	"	"
212 A.	Jamaica Ebony, var. Black Heart.	Brya Ebenus	"	'082	'105	'152	broke
212 B.	Do.	Do.	"	'060	'080	'102	'122
216 A.	Dog Wood	Priscidia erythrina	1½ by 1½	'078	'104	'133	'167
216 B.	Do.	Do.	2 by 2	'074	'102	'128	'165
			"	"	"	"	"
216 C.	Do.	Do.	"	'081	'112	'152	'212
216 D.	Do.	Do.	"	'068	'089	'111	'136
218 A.	Do.	Do.	"	'068	'093	'124	'167
218 B.	Do.	Piscidia Carthaginensis	"	'087	'127	'193	broke
223 A.	Brazilletto	Do.	"	'078	'114	'170	'241s
223 B.	Do.	Peltophorum Linnæi	"	'064	'085	'110	'138
			"	'064	'086	'113	'141
223 C.	Do.	Do.	"	"	"	"	"
223 D.	Do.	Do.	"	'060	'078	'097	'125
228 A.	Yellow Candle Wood	Cassia emarginata	"	'065	'087	'114	'142
228 B.	Do.	Do.	"	'068	'091	'121	'154
236 A.	South American Acacia.	Calliandra suman	"	'073	'105	'141	'205
236 B.	Do.	Do.	"	'216	broke	"	"
236 C.	Do.	Do.	"	"	"	"	"
232 A.	White Mangrove	Laguncularia racemosa	"	'190	"	"	"
232 B.	Do.	Do.	"	broke	"	"	"
232 C.	Do.	Do.	"	'103	'153	'282	broke
267 A.	White Bully Tree	Dipholis salicifolia	"	'092	'148	'257	"
267 B.	Do.	Do.	"	'132	broke	"	"
267 C.	Do.	Do.	"	'071	'099	'133	'190
			"	'072	'096	'140	'225
267 D.	Do.	Do.	"	'070	'099	'140	broke
284 A.	Tecoma Stans	Do.	"	"	"	"	"
			"	'077	'107	'158	"
284 B.	Do.	Do.	"	'088	'119	broke	"
297 A.	Red Heart	Do.	"	"	"	"	"
			"	'081	'152s	"	"
297 B.	Do.	Do.	"	'065	'083	'102	'124
297 C.	Do.	Do.	"	"	"	"	"
297 D.	Do.	Do.	"	'064	'083	'104	'128
312 A.	Juniper Cedar	Do.	"	'060	'070	'097	'124
			"	'064	'081	'102	'127
312 B.	Do.	Do.	"	'176	broke	"	"
312 C.	Do.	Do.	"	"	"	"	"
319 A.			"	'187	"	"	"
			"	broke	"	"	"
319 A.			"	'072	'096	'122	broke
319 A.			"	'065	'086	'110	'132s

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,340	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
*265 broke	broke	..	..	..	..	7,224 6,272 4,228 4,256 4,368 4,200 5,376 4,480 4,816 4,788 3,556	*344 *300 *350 *295 *322 *358 *259 *250 *350 *324 391	Quite short and sudden fracture. Do. do. Cleavage, fibres parted a little. Slight cleavage, fibres parted a little. Rather long fracture. Tolerably good fracture. Short and sudden fracture. Do. do. Do. do. Do. do. This specimen had a knot in it; frac- ture rather short.
..	..	..	..	..	..	3,612 2,268 3,080 6,720 7,728	*316 *438 *402 *310 *640	Good fracture. Good fibrous fracture. Rather short fracture. Cleavage. Fibrous fracture; specimen not quite dry.
*284s broke	broke	..	..	..	..	6,524	*534	Good cleavage, rather long fracture (shakes in heart).
..	..	..	..	..	..	4,872 3,976	*142 *144	Short fracture; symptoms of dry rot. Quite a short and sudden fracture; symptoms of dry rot.
..	..	..	..	..	..	5,301 10,920	*226 *442	Do. do. Good fracture; sap outside.
*153	*186	*229	*309	broke	..	9,100 7,756	*551 *384	Good fracture. Symptoms of dry rot; good long diago- nal fracture.
*216 *226s	*286 broke	*458s	broke	..	..	7,084	*528	Symptoms of dry rot; good fibrous fracture.
*333s	..	..	..	..	..	9,128 7,392 5,124 5,824	*440 — *464 *560	Good fibrous fracture. Fibres parted a little, and cleavage. Good fracture. Do.
*169 *236	*209s broke	*316	broke	..	..	8,932 7,980	*378 *404	Not quite dry; good fibrous fracture. Good fibrous fracture and slight cleavage.
*164 *175	*214s *157	broke	..	..	..	7,392 8,400 7,728 6,468 2,688	*221 *420 *382 *336 1*174	Rather short fracture. Good fracture. Sudden long fracture. Do. do. slightly defective. Good tough fibrous fracture.
*165s *126 *219 broke	broke .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	2,576 1,680 4,564 4,816 3,304 6,496 5,936 4,984	*400 *600 *520 *492 *294 *300 *314 *242	Fracture inclined to be short. Fracture rather short; two-thirds sap. Good fibrous fracture. Good tough fibrous fracture. Inclined to be short and sudden. Long fracture; worm-eaten. Good fracture; do. Tolerably good fracture; inclined to be short; worm-eaten.
..	..	..	..	..	..	4,928 4,424	*266 *206	Good fracture. Tolerable fracture; inclined to be short.
*153	*199	broke	..	..	..	4,256 8,876	*228 *333	Do. do. Rather long fracture, not fibrous, and cleavage.
*170s *164 *168	*254 *223 *226	.. .. ..	.. .. ..	.. .. ..	.. .. ..	8,568 8,932 8,922 2,856	*423 *394 *380 *225	Tolerably good fracture and cleavage. Cleavage and good fibrous fracture. Cleavage and fibres parted a little. Sudden and bad fracture; several small knots in specimen.
..	..	..	..	..	..	2,492 2,156 5,208	*212 *16 *155	Do. do. Do. do. short. Short and sudden fracture; specimen worm-eaten.
broke	..	..	..	..	..	6,720	*170	Rather short fracture; worm-eaten a little.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
JAMAICA.							
319 Ba.	Section of Cocoa Nut		" "				
319 Bb.	Do.		2 by 2	'066	'090	'134	'221
319 Bc.	Do.		"	'098	'136	'198	'3418
319 Bd.	Do.		"	'072	'110	'176	broke
			"	'080	'125	'190	"
319 ca.	Do.		"	'080	'108	'144	'193
319 cb.	Do.		"	'070	'094	'125	'169
319 Ea.	Do.		"	'068	'090	'114	'146
319 Eb.	Do.		"				
320 A.	Yoke Wood		"	'063	'082	'103	'126
320 B.	Do.		"	'121	'226	broke	"
324 A.	Santa Maria	Calophyllum calaba	"	'109	'205	"	"
324 B.	Do.	Do.	"	'140	broke	"	"
326 A.	Red Wood	Erythroxylon areolatum	"	'184	"	"	"
326 B.	Do.	Do.	"	'086	'135	'214	broke
			"	'098	'172	broke	"
328 A.	Black Bullet Tree	Dipholis — ?	"				
328 B.	Do.	Do.	"	'072	'106	'142	'193
329 A.	Galla Pear		"	'060	'091	'145	'2678
329 B.	Do.		"	broke	"	"	"
329 C.	Do.		"	"	"	"	"
332 A.	Hog Berry		"	"	"	"	"
332 B.	Do.		"	'097	'146	'309	broke
332 C.	Do.		"	'092	'141	'252	"
332 D.	Do.		"	'090	'140	'248	"
338 A.	Spanish Elm	Cordia gerascanthus	"	'091	'141	'252	"
338 B.	Do.	Do.	"	'082	'111	'158	'244
338 C.	Do.	Do.	"	'088	'136	'240	broke
339 A.	Naseberry Bullet Tree.	Achras sideroxylon	"	'092	'126	'184	"
339 B.	Do.	Do.	"	'060	'073	'092	'120
339 C.	Do.	Do.	"	'080	'106	'138	'186
339 D.	Do.	Do.	2 by 1 1/8	'068	'090	'112	'143
341 A.	Iron Wood	(? Laplacea hæmatoxylon)	1 1/8 by 2	'072	'102	'140	'202
343 A.	Cassada Wood		2 by 2	'065	'088	'112	'139
			1 1/8 by 2	'116	broke	"	"
343 B.	Do.		"				
343 C.	Do.		2 by 1 1/8	'164	"	"	"
			1 1/8 by 2	'124	"	"	"
345 A.	Wild Orange	Citrus aurantium	"				
345 B.	Do.	Do.	2 by 2	'052	'069	'087	'1118
350 A.	Green Heart	Amyris — ?	"	'047	'063	'080	'102
350 B.	Do.	Do.	"	'058	'080	'104	'134
351 A.	Musk Wood	(? Guarea trichilioides)	"	'061	'082	'107	'139
354 A.	Sweet Wood	Nectandra — ?	2 by 1 1/8	'107	'187	'409	broke
354 B.	Do.	Do.	2 by 2	'068	'098	'156	"
355 A.	Black Rose Wood	Amyris — ?	"	'070	'103	'172	"
			"	'072	'091	'117	'149
355 B.	Do.	Do.	"				
358 A.	White Rose Wood	Amyris — ?	"	'050	'073	'099	'132
358 B.	Do.	Do.	"	'055	'074	'094	'133
358 C.	Do.	Do.	"	'052	'074	'107	'154
			"	'052	'070	'089	'118
363 A.	Beech Wood		"				
365 A.	Wild Cinnamon	Canella alba	"	'082	'122	'189	'354
365 B.	Do.	Do.	"	'132	'415	broke	"
367 A.	White Cedar	Cedrela — ?	"	'121	'452	"	"
367 B.	Do.	Do.	1 1/8 by 1 1/8	'215	'5008	"	"
371 A.	White Torch	Amyris — ?	1 1/8 by 2	'3168	broke	"	"
371 B.	Do.	Do.	2 by 2	'070	'093	'128	'174
371 C.	Do.	Do.	"	'057	'093	'127	'182
371 D.	Do.	Do.	"	'076	'108	'152	'2298
372 A.	Beef Apple		"	'070	'097	'133	'190
372 B.	Do.		"	'093	'131	'202	broke
376 A.	Blood Red Wood or Black Mahogany.		"	'082	'121	'193	"
			"	'094	'161	broke	"

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Fracture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
broke	..	..	..	..	..	6,188	*482	Good fibrous fracture.
"	..	..	..	..	..	5,880	*421	Rather short fracture.
"	..	..	..	..	..	5,376	*446	Good fibrous fracture.
"	..	..	..	..	..	5,488	*434	Good fibrous fracture; had bad shakes.
broke	..	..	..	..	..	6,356	*306	Tolerable fracture.
"	..	..	..	..	..	6,552	*235	Tolerable fracture; not fibrous.
*190	broke	..	..	..	..	7,728	*280	Fibres started a little and cleavage in a shake.
*158	*222s	broke	..	..	..	8,316	*338	Rather good fracture and cleavage.
"	..	..	..	..	..	3,920	*403	Short and sudden fracture.
"	..	..	..	..	..	3,976	*519	Good fibrous fracture.
"	..	..	..	..	..	3,024	*360	Do. do.
"	..	..	..	..	..	2,912	*57	Short and sudden fracture.
"	..	..	..	..	..	5,292	*396	Long fracture.
"	..	..	..	..	..	4,144	*288	Fracture not very good: knots in specimen.
broke	..	..	..	..	..	6,412	*328	Part long fracture and cleavage.
"	..	..	..	..	..	5,824	*300	Fibres parted a little and cleavage.
"	..	..	..	..	..	1,512	*301	Sudden fracture; not very short.
"	..	..	..	..	..	1,204	*250	Rather short fracture; very dry.
"	..	..	..	..	..	1,344	*365	Do. do. do.
"	..	..	..	..	..	4,592	*382	Short fracture.
"	..	..	..	..	..	4,732	*375	Short and sudden fracture.
"	..	..	..	..	..	4,536	*330	Fracture inclined to be short.
"	..	..	..	..	..	4,788	*352	Short fracture.
broke	..	..	..	..	..	6,552	*452	Cleavage tough.
"	..	..	..	..	..	4,984	*420	Good fracture.
"	..	..	..	..	..	5,320	*530	Do.
*159	*214	broke	..	..	..	8,456	*265	Sudden cleavage.
broke	..	..	..	..	..	5,824	*551	Cleavage at a flaw and fibrous fracture.
*192	*304s	broke	..	..	..	8,148	*610	Good fibrous fracture.
broke	..	..	..	..	..	6,608	*332	Cleavage through shake in heart.
"	..	..	..	..	..	6,720	*179	Short and sudden fracture.
"	..	..	..	..	..	3,323	*355	Short and sudden fracture; shake in specimen.
"	..	..	..	..	..	2,800	*296	Part fracture and slight cleavage.
"	..	..	..	..	..	3,332	*280	Rather short and sudden fracture; specimen from centre of tree.
*144	broke	..	..	..	..	7,504	*170	Cleavage and fibres started a little.
*128	*174	broke	..	..	..	7,840	*180	Cleavage.
*182	*260s	"	..	..	..	7,952	*312	Do.
*182	*270	"	..	..	..	8,064	*328	Cleavage in a shake.
"	..	..	..	..	..	4,502	*954	Good tough fibrous fracture.
"	..	..	..	..	..	5,544	*421	Very good fracture.
"	..	..	..	..	..	5,348	*620	Good long fibrous fracture.
*198	*273	*430	broke	..	..	8,960	*578	Very good long and fibrous fracture; started very slightly between 3 ton 10 cwt. and 4 ton.
*180	*273s	broke	..	..	..	7,924	*580	Fracture; part good, and part rather short from defect in specimen.
*182	*336	"	..	..	..	8,176	*614	Very good fibrous fracture and cleavage.
*244	broke	..	..	..	..	7,280	*400	Tolerably good fracture.
*168	*294	broke	..	..	..	7,980	*554	Very good fibrous fracture and cleavage.
broke	..	..	..	..	..	5,936	*572	Part long fracture and cleavage.
"	..	..	..	..	..	3,472	*800	Fibrous fracture.
"	..	..	..	..	..	3,360	*621	Good fibrous fracture.
"	..	..	..	..	..	2,744	*740	Good fracture.
"	..	..	..	..	..	2,324	*750	Do.
broke	..	..	..	..	..	6,412	*302	Cleavage and fracture.
"	..	..	..	..	..	6,608	*319	Do. do.
"	..	..	..	..	..	5,824	*283	Long diagonal fracture.
"	..	..	..	..	..	6,406	*288	Cleavage.
"	..	..	..	..	..	5,488	*342	Very short and sudden fracture.
"	..	..	..	..	..	5,012	*252	Cleavage.
"	..	..	..	..	..	4,256	*283	Rather short fracture.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
JAMAICA.							
376 B.	Blood Red Wood or Black Mahogany.	" " " "	2 by 2	'091	'150	'28	broke
378 A.	Fig Tree, Wild	Ficus virens	"	'188	broke	..	..
384 A.	Black Mahogany or Blood Red Wood.	" " " "	"	'083	'147	broke	..
384 B.	Do.	" " " "	"	'105	'168	"	..
384 C.	Do.	" " " "	"	'089	'151	'309	broke
384 D.	Do.	" " " "	"	'108	'175	broke	..
407 A.	Star Apple	Chrysophyllum cainito	"	'071	'100	'145	'204
LIBERIA.							
7 A.	Whismore	" " " "	1½ by 1½	'122	'246	broke	..
7 B.	Do.	" " " "	"	'086	'184	"	..
7 C.	Do.	" " " "	1½ by 1½	'131	'292	"	..
10 A.	Cedar	" " " "	2 by 2	'062	'085	'115	'149
10 B.	Do.	" " " "	"	'067	'090	'120	'162
10 C.	Do.	" " " "	"	'058	'080	'104	'129s
11 A.	Black Gum	" " " "	"	'062	'077	'096	'122
11 B.	Do.	" " " "	"	'058	'082	'116	'151
11 C.	Do.	" " " "	"	'060	'084	'119	'155
15 A.	Burr Wood	" " " "	2 by 2	'060	'084	'119	'155
15 B.	Do.	" " " "	"	'067	'139	broke	..
15 C.	Do.	" " " "	"	'089	'132	"	..
15 D.	Do.	" " " "	"	'089	'140	"	..
16 A.	Cherry	" " " "	1½ by 1½	'086	'130	'212	broke
16 B.	Do.	" " " "	"	'144	broke	..	..
17 A.	Brimstone	" " " "	2 by 1½	'129	'236	broke	..
17 B.	Do.	" " " "	2 by 2	'083	'129s	'226	broke
18 A.	Box Wood	" " " "	"	'099	'165	broke	..
18 B.	Do.	" " " "	"	'066	'090	'113	'152
19 B.	Cedar	" " " "	"	'061	'085	'117	'154
19 C.	Do.	" " " "	1½ by 1½	'163	broke	..	..
20 A.	Iron Wood	" " " "	2 by 2	'108	'248	broke	..
20 B.	Do.	" " " "	"	'072	'098	'129	'170s
20 C.	Do.	" " " "	1½ by 1½	'081	'111	'153	'210
20 A.A.	Mahogany	" " " "	2 by 2	'078	'102	'181	'183
20 A.B.	Do.	" " " "	1½ by 1½	'144	broke	..	..
20 A.C.	Do.	" " " "	"	'164	..	..	..
20 A.D.	Do.	" " " "	1½ by 1½	'166	broke	..	..
21 A.	Black Oak	" " " "	1½ by 1½	'128	"	..	..
21 B.	Do.	" " " "	1½ by 1½	'095	'174	broke	..
21 C.	Do.	" " " "	"	'076	'148	"	..
21 D.	Do.	" " " "	"	'107	'174	"	..
22 A.	Mahogany	" " " "	1½ by 1½	'109	'215	"	..
22 B.	Do.	" " " "	1½ by 1½	'108	'190	broke	..
22 C.	Do.	" " " "	"	'124	'290	"	..
22 D.	Do.	" " " "	"	'140	broke	..	..
58 A.	Do.	" " " "	1½ by 1½	'135	'289	broke	..
58 B.	Do.	" " " "	2 by 2	'086	'120	'197s	broke
			"	'070	'110	'182	"
NEW SOUTH WALES (NORTH).							
1 A.	Bogum-bogum	Flindersia Bennettii, F. Muell.	2 by 2	'121	broke	..	..
1 B.	Do.	Do.	"	'088	'142	broke	..
3 A.	Goorie	Cryptocarya, sp.	"	'066	'100	"	..
3 B.	Do.	"	"	'070	'112	'186	broke
3 C.	Do.	"	"	'056	'083	'141	"
4 A.	"	Cryptocarya, sp.	"	'068	'114	broke	..
4 B.	"	Do.	"	'070	'120	"	..
5 A.	Bush, Bastard, or White Box.	Lophostemon Australis	"	'072	'101	'146	'270s
5 B.	Do.	Do.	"	'084	'123	'190	broke

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	4,760	*350	Short and sudden fracture (heart, with shake).
..	2,688	*301	Short and sudden fracture. Specimen from centre of tree; symptoms of dry rot.
..	4,368	*294	Sudden diagonal fracture; not fibrous.
..	4,368	*342	Sudden fracture; inclined to be short.
..	4,480	*347	Tolerably good fracture; slightly defective.
..	4,172	*312	Short fracture; slightly defective.
broke	6,160	*268	Short and sudden fracture.
..	3,696	*500	Good fibrous fracture and cleavage.
..	4,004	*408	Good fibrous fracture.
broke	3,584	*432	Do do.
..	6,244	*190	Sudden fracture; slightly worm-eaten.
..	6,160	*195	Sudden and rather short fracture.
*194	broke	..	..	..	..	6,906	*210	Long diagonal fracture.
*165	*270s	broke	..	..	..	7,868	*360	Good fibrous fracture and cleavage at each end.
*210	broke	..	..	..	..	7,420	*300	Cleavage and fibres parted slightly.
*228s	7,000	*270	Do do.
..	3,696	*384	Long fracture.
..	4,284	*456	Good fracture.
..	4,200	*374	Fibres slightly parted and cleavage.
..	4,760	*319	Good, long, fracture.
..	3,192	*283	Good fracture.
..	3,472	*284	Good long fracture.
..	4,480	*242	Long diagonal fracture.
..	3,724	*532	Good fracture.
*213	*342s	broke	..	..	..	8,288	*444	Good long fracture.
*230	*394s	..	..	..	..	8,232	*650	Good fibrous fracture and cleavage.
..	3,024	*236	Long diagonal fracture.
..	3,584	*332	Fibres parted slightly and cleavage.
*259	broke	..	..	..	..	6,776	*384	Do do.
broke	6,692	*424	Good fibrous fracture.
..	6,104	*252	Good fracture.
..	2,968	*215	Short fracture.
..	2,296	*188	Do.
..	2,856	*297	Rather short fracture.
..	2,800	*177	Short and sudden fracture.
..	4,340	*486	Good fibrous fracture.
..	4,424	*490	Short fibrous fracture.
..	4,284	*396	Good fracture.
..	4,032	*460	Very good fibrous fracture.
..	3,640	*255	Short fracture.
..	3,528	*370	Good fracture.
..	3,136	*330	Short and sudden fracture.
..	3,472	*338	Tolerably good fracture.
..	4,928	*423	Good fracture.
..	5,152	*432	Good, but not very fibrous fracture.
..	2,912	*180	Short and sudden fracture; considerable symptoms of dry rot.
..	3,836	*188	Do do.
..	4,480	*170	Short fracture; shakes in specimen.
..	5,040	*284	Cleavage.
..	4,676	*162	Very short and sudden fracture.
..	4,032	*202	Short fracture; symptoms of dry rot.
..	4,172	*240	Good fracture and cleavage; dry rot.
broke	5,992	*530	Good fracture.
..	5,432	*447	Do.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
NEW SOUTH WALES (NORTH).							
5 C.	Bush, Bastard, or White Box.	Lophostemon Australis.	" "				
5 D.	Do.	Do.	2 by 2	·087	·128	·206	broke
6 A.	Red Box	Do.	1½ by 1½	·069	·104	·166	broke
6 B.	Do.	Do.	"	·136	·250	·174	broke
6 C.	Do.	Do.	"	·117	·229	"	"
6 D.	Do.	Do.	"	·107	·181	"	"
7 A.	Buranna	Neliteris, sp.	"	·118	·191	"	"
7 B.	Do.	Do.	"	·137	broke	"	"
10 A.	Box of Illawarra	Eucalyptus, sp.	"	·132	"	"	"
10 B.	Do.	Do.	2 by 2	·092	·152	broke	"
12 D.	Gouipham	Schmidelia anodonta, F. Muell.	"	·079	·1428	broke	"
			"	·1338	broke	"	"
13 A.	Wobul	Flindersia, sp.	1½ by 1½	·069	·096	·128	·2328
13 B.	Do.	Do.	"	·067	·095	·135	·212
14 A.	Do.	Panax, sp.	2 by 2	·074	·108	·174	broke
14 B.	Do.	Do.	"	·065	·090	·129	"
15 A.	Moreton Bay Pine	Araucaria Cunninghamii	"	·163	broke	"	"
15 B.	Do.	Do.	"	·228	"	"	"
15 C.	Do.	Do.	"	broke	"	"	"
15 D.	Do.	Do.	"	·161	broke	"	"
17 A.	Cherry	Acmena, sp.	"	·094	·204	broke	"
17 B.	Do.	Do.	"	·088	·107	"	"
19 A.	Wootarie	Neliteris ingens, F. Muell.	"	·169	broke	"	"
21 A.	Do.	Do.	"	·120	"	"	"
21 B.	Do.	Cupania xylocarpa	"	·072	·100	·136	broke
22 A.	Woorodii, name in natural order.	Sapindaceæ	"	·061	·084	·118	·170
22 B.	Woorodii	Do.	"	broke	"	"	"
22 C.	Woorodii, name in natural order.	Sapindaceæ	"	·142	broke	"	"
22 D.	Do.	Do.	"	·230	"	"	"
23 A.	Do.	Do.	1½ by 1½	·222	broke	"	"
23 B.	Do.	Mooria campylosperma	2 by 2	·085	·136	broke	"
23 C.	Do.	Do.	"	·128	·233	"	"
		Mooria campylosperma, F. Muell.	"	·098	·163	"	"
23 D.	Do.	Do.	"	"	"	"	"
24 A.	Ash, Beech, and Flindosa.	Flindersia Australis	"	·123	·254	broke	"
24 B.	Do.	Do.	"	·004	·093	·154	broke
24 C.	Do.	Do.	"	"	"	"	"
24 D.	Do.	Do.	"	·066	·099	·152	"
25 A.	Do.	Do.	"	·088	·145	broke	"
25 B.	Do.	Do.	"	·063	·093	·138	broke
25 C.	Do.	Cryptocarya glaucescens	1½ by 1½	·099	broke	"	"
25 D.	Do.	Do.	"	·120	"	"	"
26 A.	Do.	Do.	"	·108	"	"	"
	Cherry of the Clarence.	Jambosa Australis	"	·179	"	"	"
26 B.	Do.	Do.	2 by 2	·106	·189	·5088	broke
27 A.	Native Tamarind	Do.	"	"	"	"	"
27 B.	Do.	Cupania Australis	"	·085	·162	broke	"
27 C.	Do.	Do.	"	·067	·180	·199	broke
28 A.	Native Plum	Do.	"	·083	·164	broke	"
28 B.	Do.	Do.	"	·087	·142	"	"
28 C.	Do.	Achras Australis	"	·064	·086	·118	·155
28 D.	Do.	Do.	1½ by 1½	·064	·081	·130	·199
35 A.	Do.	Do.	"	·070	·100	·148	·244
35 B.	Do.	Do.	"	·058	·078	·104	·145
36 A.	Name in natural order.	Panax elegans	2 by 2	·223	broke	"	"
		Do.	"	·168	"	"	"
36 B.	Uroobie	Celastraceæ	1½ by 1½	·066	·082	·135	·234
40 A.	Do.	Do.	"	"	"	"	"
40 B.	Do.	Nephelium lanuginosum	2 by 2	·058	·083	·120	·187
40 C.	Do.	Do.	"	·066	·096	·1548	·256
43 A.	Native Orange	Do.	"	·040	·071	·101	·147
		Endiandra virens, F. Muell.	1½ by 1½	·072	·101	·136	·187
43 B.	Do.	Do.	"	·073	·110	·179	broke
44 A.	Black Myrtle	Do.	"	"	"	"	"
44 B.	Do.	Do.	2 by 2	·086	·133	·217	"
		Do.	"	·080	·141	broke	"
		Do.	"	·062	·080	·146	broke

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Fracture.	REMARKS.	1000 lb. weight
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320				
..	5,096	*404	Good fracture.	
..	5,516	*424	Do.	
..	3,668	*402	Rather short and sudden fracture.	
..	3,752	*382	Tolerable fracture; sudden.	
..	4,228	*350	Short and sudden fracture.	
..	3,640	*230	Do.	
..	3,080	*258	Short fracture; specimen worm-eaten.	
..	3,192	*215	Do.	
..	4,060	*240	Short fracture; symptoms of dry rot.	
..	3,920	*230	Do.	
..	2,352	*230	Tolerable fracture; rather short.	
broke	6,076	*462	Cleavage and fibres slightly parted.	
..	6,468	*575	Good fibrous fracture.	
..	5,320	*306	Short and rather sudden fracture.	
..	5,096	*180	Cleavage in a shake.	
..	2,912	..	Short and sudden fracture.	
..	2,464	..	Do.	do.
..	1,904	..	Do.	do.
..	2,576	..	..
..	3,640	*350	Good fracture.	
..	4,256	*445	Tolerably good fracture.	
..	2,912	*528	Good fracture; tough.	
..	3,192	*280	Tolerably good fracture; dry rot.	
..	5,600	*218	Tolerably good fracture.	
broke	6,048	*210	Very short fracture.	
..	2,044	*208	Short fracture; symptoms of dry rot.	
..	2,240	*148	Do.	do.
..	2,402	..	Short and sudden fracture; slight symptoms of dry rot in specimen.	
..	2,576	*315	Rather short and sudden fracture.	
..	4,256	*300	Rather short fracture.	
..	3,920	*332	Do.	
..	3,920	*255	Do.	
..	3,556	*310	Rather short fracture.	
..	5,488	*480	Good fracture.	
..	5,516	*350	Rather short fracture.	
..	4,368	*456	Good fracture.	
..	5,488	*259	Rather short fracture.	
..	3,248	*190	Short fracture.	
..	3,192	*315	Do.	
..	3,108	*224	Short fracture; symptoms of dry rot.	
..	2,800	*398	Tolerably good fracture.	
..	4,536	*778	Good fracture; tough.	
..	4,480	*476	Do.	do.
..	4,480	*210	Short fracture.	
..	3,808	*250	Long but sudden fracture.	
..	3,920	*215	Very short fracture.	
..	6,944	*324	Cleavage and fibres parted slightly.	
..	6,412	*434	Good fibrous fracture.	
..	6,608	*580	Do.	
..	7,280	*446	Do.	
..	2,548	*358	Rather short fracture.	
..	2,632	*286	Very short fracture.	
..	5,824	*880	Good fibrous fracture.	
..	6,188	*341	Good fracture.	
..	6,216	*500	Tolerably good fracture.	
..	7,168	*60	Good fibrous fracture.	
..	7,000	*59	Rather short fracture.	
..	4,900	*22	Short diagonal fracture. Dry rot.	
..	4,984	*845	Short diagonal fracture.	
..	3,696	*180	Cleavage only. Symptoms of dry rot.	
..	4,480	*220	Good fracture, but inclined to be short.	

TABLE II—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
NEW SOUTH WALES (NORTH).							
45 A.	-	Atherosperma micranthum.	1½ by 1½	121	276	broke	..
45 B.	-	Do.	-	085	130	..	..
47 A.	Rosewood	Synoum glandulosum	2 by 2	071	107	261	broke
47 B.	Do.	Do.	-	071	108	165	..
47 C.	Do.	Do.	-	073	115	broke	..
47 D.	Do.	Do.	-	071	109	167	broke
51 A.	Pencil Cedar	Synoum Lardneri, Moore	-	076	114	278	..
51 B.	Do.	Do.	-	071	120	320	..
51 C.	Do.	Do.	-	096	149	broke	..
51 D.	Do.	Do.	-	086	120	177	broke
53 A.	-	Carissa ovata	-	076	110	171	..
53 B.	-	Do.	-	072	106	159	..
54 A.	-	Schmidelia pyriformis	-	069	097	146	223
54 B.	-	Do.	-	065	094	138	broke
60 A.	Hickory Lignum Vitae.	Aemena sp.	1½ by 1½	084	112	159	229
60 B.	Do.	-	-	058	080	107	143
61 A.	Flindosa	Flindersia Australis, var.	2 by 2	070	096	142	336
61 B.	Do.	Do.	-	080	141	256	broke
61 C.	Do.	Do.	-	089	130	243	..
61 D.	Do.	Do.	-	078	109	194	..
63 A.	Flintamendosa	Flindersia Greavesii	-	065	092	118	153
63 B.	Do.	Flindersia Greavesii, Moore.	-	058	079	128	222
64 A.	Tea Tree	Callistemon salignum	-	081	115	168	broke
64 B.	Do.	Do.	-	088	125	186	..
66 A.	Bastard Myall	Acacia Cunninghamii	-	070	098	166	238
66 B.	Do.	Do.	-	065	095	159	broke
67 A.	-	Alphitonia excelsa	-	071	096	131	174
67 B.	-	Do.	-	073	106	163	broke
68 A.	-	Vitex, sp.	-	175	broke	..	..
68 B.	-	-	-	broke	..	..	..
69 A.	-	Myrtus Melastomæ	-	070	100	149	broke
69 B.	-	Do.	-	090	140	broke	..
71 A.	Swamp Oak	Casuarina quadrivalvis	1½ by 1½	060	082	108	169
71 B.	Do.	Do.	-	064	090	134	188
74 A.	White Myrtle	Myrtus acmenoides, F. Muell.	2 by 2	058	079	112	156
74 B.	Do.	Do.	-	063	090	127	187
77 A.	Iron Bark of the Clarence.	Eucalyptus sp.	-	050	068	087	111
77 B.	Do.	Do.	-	054	071	091	113
84 A.	Marblewood	Olea paniculata?	-	056	074	103	146
84 B.	Do.	Do.	-	058	080	118	172
88 A.	-	Evodia erythrocoeca, F. Muell.	-	055	080	122	212
88 B.	-	Do.	-	051	082	126	228
89 A.	-	Diospyros? sp.	1½ by 1½	070	094	130	190
89 B.	-	-	-	058	082	122	188
93 A.	-	Celtis opaca, F. Muell.	2 by 2	095	192	broke	..
93 B.	-	Do.	-	087	190	..	..
102 A.	Flooded Gum	Eucalyptus, sp.	1½ by 1½	063	104	186	broke
102 B.	Do.	-	-	064	100	168	..
102 C.	Do.	-	2 by 2	072	130	broke	..
102 D.	Do.	-	1½ by 1½	065	097	..	..
103 A.	Grey Gum	Eucalyptus, sp.	2 by 2	055	076	106	149
103 B.	Do.	-	-	064	080	126	180
104 A.	Bitter Bark	Tabernaemontana? sp.	-	078	118	224	broke
104 B.	Do.	-	-	071	110	185	..
105 A.	Light Yellow Wood	Rhus rhodanthemum, F. Muell.	-	094	154	broke	..
105 B.	Do.	Do.	-	098	180	broke	..
106 A.	Iron Wood	Argyrodendron trifoliatum, F. Muell.	-	069	095	126	177
106 B.	Do.	Do.	-	055	076	102	149
109 A.	Swamp Mahogany	Sophostemon sp.	-	088	141	broke	..
109 B.	Do.	Do.	-	110	195	..	..
111 A.	Water Gum	Callistemon sp.	1½ by 1½	130	200	372	broke

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	3,640	*515	Good fracture.
..	4,480	*320	Cleavage only.
..	4,480	*374	Tolerably good fracture.
..	5,320	*454	Good fracture.
..	4,200	*170	Part long and part short fracture.
..	5,208	*636	Good tough fracture.
..	4,480	*384	Rather short fracture.
..	4,536	*440	Fibrous fracture; slight symptoms of dry rot.
..	3,892	*198	Very short and sudden fracture.
..	5,152	*255	Cleavage.
..	5,544	*281	Short fracture.
..	5,516	*305	Good fracture.
broke	5,936	*268	Rather short fracture.
..	5,320	*227	Cleavage and slight fracture.
broke	6,384	*370	Cleavage and fibres parted.
..	7,168	*318	Long and good fracture.
*232 broke	broke	..	..	..	..	5,852	*470	Very good fibrous fracture.
..	4,984	*460	Good fracture.
..	5,040	*482	Do.
..	5,292	*385	Tolerably good fracture.
*238 broke	broke	..	..	..	..	7,504	*418	Good fibrous fracture and cleavage.
..	6,440	*540	Good fibrous fracture.
..	4,844	*205	Rather short fracture.
..	5,152	*380	Cleavage in a shake and fibres parted.
broke	5,600	*322	Good fracture.
..	5,404	*308	Do.
broke	6,244	*275	Rather short fracture.
..	5,572	*233	Do.
..	2,576	*268	Short and sudden fracture.
..	2,240	*159	Do.
..	5,096	*182	Short fracture.
..	4,452	*244	Rather short fracture.
*278 broke	broke	..	..	..	..	6,832	*400	Good fibrous fracture.
..	6,356	*344	Rather short fracture; broke at a small knot.
*264 broke	broke	..	..	..	..	7,112	*360	Cleavage.
broke	6,608	*350	Good fracture.
*152	*324 broke	..	..	..	..	7,840	*464	Long tough fracture.
*147	*207	..	..	..	..	8,232	*416	Do. do.
*230	broke	..	..	..	..	7,280	*448	Very good fibrous fracture.
*323s	7,028	*493	Do. do.
broke	6,356	*490	Good fibrous fracture.
..	6,384	*512	Do. do.
..	6,494	*508	Good fracture.
*370 broke	7,000	*600	Good fibrous fracture.
..	3,640	*265	Short and sudden fracture.
..	3,800	*225	Do. do.
..	4,900	*410	Fibrous fracture.
..	4,984	*470	Good fracture.
..	4,312	*356	Do.
..	4,312	*167	Do.
*232 broke	broke	..	..	..	..	7,196	*402	Fibres parted and cleavage.
*321	7,168	*463	Long fracture.
..	4,704	*310	Short and sudden fracture.
..	4,928	*244	Very short and sudden fracture.
..	4,256	*330	Very short fracture.
..	3,696	*300	Rather short fracture.
*292 broke	broke	..	..	..	..	7,168	*523	Good fibrous fracture.
*254	7,280	*429	Good fibrous fracture and cleavage.
..	4,200	*280	Short fracture.
..	3,780	*289	Do.
..	5,298	*755	Do.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
NEW SOUTH WALES (NORTH).				" "			
111 B.	Water Gum	" " " "	1½ by 1½	126	200	359	broke
111 C.	Do.	" " " "	"	130	204	375	"
111 D.	Do.	" " " "	"	136	216	385	"
114 A.	Brush Iron Bark	" " " "	"	096	154	broke	"
114 B.	Do.	" " " "	"	085	130	248s	broke
NEW SOUTH WALES (SOUTH).							
1 A.	White or Pale Iron Bark.	Eucalyptus, sp.	1½ by 1½	030	044	060	076
1 B.	Do.	Do.	2 by 2	043	056	072	089
1 C.	Do.	Do.	1½ by 1½	051	065	08	098
1 D.	Do.	Do.	"	052	069	087	108
2 A.	White Iron Bark	Do.	2 by 2	051	071	091	116
2 B.	Do.	Do.	"	047	066	085	116
2 C.	Do.	Do.	"	048	072	089	118
3 A.	Iron bark	Do.	1½ by 1½	062	085	117	163
3 B.	Do.	Do.	2 by 2	050	066	088	113
3 C.	Do.	Do.	"	057	074	096	122
4 A.	Broad-leaved Rough Iron Bark.	Do.	"	071	096	122	152
4 B.	Do.	Do.	"	060	082	110	148
4 C.	Do.	Do.	"	061	082	106	146
4 D.	Do.	Do.	"	058	08	104	13
5 A.	Iron Bark	Do.	"	048	066	084	108
5 B.	Do.	Do.	"	056	078	100	125
5 C.	Do.	Do.	"	074	095	116	144
5 D.	Do.	Do.	"	060	077	098	122
7 A.	Narrow-leaved Smooth or Red Iron Bark.	Do.	1½ by 1½	068	092	122	156
7 B.	Do.	Do.	"	065	092	119	156
7 C.	Do.	Do.	"	065	092	119	156
8 A.	Narrow-leaved Iron Bark.	Eucalyptus, sp.	2 by 2	035	05	07	09
8 B.	Do.	Do.	"	0325	05	07	11
8 C.	Do.	Eucalyptus, sp.	"	050	075	100	140
8 D.	Do.	Do.	"	045	070	090	125
10 A.	Box of Illawarra	Do.	1½ by 1½	090	132s	316	broke
10 B.	Do.	Do.	"	076	111	162	"
10 C.	Do.	Eucalyptus, sp.	2 by 2	068	098	140	"
10 D.	Do.	Do.	2 by 1½	074	092	119	162
11 A.	Bastard Box of Illawarra.	Do.	2 by 2	058	072	087	103
11 B.	Do.	Do.	"	058	078	097	119
11 C.	Do.	Do.	"	058	078	097	119
11 D.	Do.	Do.	"	058	078	097	119
12 A.	True or Yellow Box of Camden.	Eucalyptus corymbosa.	2 by 2	108	176	broke	"
12 B.	Do.	Do.	"	116	broke	"	"
12 C.	Do.	Do.	"	129	212s	broke	"
13 A.	Bastard Box	Eucalyptus sp.	"	058	076	092	111
13 B.	Do.	Do.	"	058	077	100	130
13 C.	Do.	Do.	"	061	079	099	126
13 D.	Do.	Do.	"	052	07	09	114
13 Ac.	Do.	Do.	"	"	"	"	"
13 Ad.	Do.	Do.	"	"	"	"	"
14 A.	Do.	Eucalyptus sp.	2 by 2	054	071	087	108
14 B.	Do.	Do.	"	066	09	116	156
14 C.	Do.	Do.	"	06	085	12	19
14 D.	Do.	Do.	"	045	065	09	115
15 A.	Box	Eucalyptus sp.	1½ by 1½	106	154	258	broke
15 B.	Do.	Do.	2 by 2	071	104	157	311s
15 C.	Do.	Do.	"	081	120	181	broke
16 A.	Flooded Gum	Do.	1½ by 1½	106	174	broke	"
17 A.	Dthackai Courroo	Do.	2 by 2	064	097	117	155

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Fracture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	..	..	..	..	..	5,040	*540	Short fracture.
..	..	..	..	..	..	5,124	*634	Short and sudden fracture.
..	..	..	..	..	..	5,012	*918	Good tough fracture.
..	..	..	..	..	..	4,256	*319	Good fracture and slight cleavage.
..	..	..	..	..	..	4,732	*380	Good fibrous fracture.
*095	*123	*155	broke	..	..	9,912	*220	Cleavage only.
*108	*132	*168	*210 *278 and *308	*288s	broke	11,648	*376	Cleavage and good fibrous fracture.
*12	*151	*205	..	..	..	10,080	*308	Cleavage.
*132	*16	*213	broke	..	..	9,996	*375	Good and long fibrous fracture.
*159	*224	broke	..	..	..	8,624	*380	Fracture and cleavage.
*160	broke	..	..	..	..	7,784	*295	Good fracture and cleavage.
*158	*229	broke	..	..	..	8,540	*376	..
*235	broke	..	..	..	..	6,832	*428	Good fracture.
*147	*221	broke	..	..	..	8,204	*337	Good fracture and cleavage.
*161	broke	..	..	..	..	7,812	*330	Good fracture.
*209s	"	..	..	..	..	7,112	*290	Good fibrous fracture.
*182	"	..	..	..	..	7,560	*235	Cleavage.
*186	*288s	broke	..	..	..	8,316	*425	Cleavage and fibrous fracture; sap on the under side.
*173	broke	..	..	..	..	7,616	*24	Cleavage; fibre parted a little.
*138	*183	broke	..	..	..	8,792	*260	Good fibrous fracture.
*178s	*238	"	..	..	..	8,400	*415	Do.
*198s	*284	broke	..	..	..	7,840	*395	Good fracture.
*154	*196	"	..	..	..	8,736	*350	Good fibrous fracture.
*221	broke	..	..	..	..	7,364	*38	Good fibrous fracture and cleavage.
broke	..	..	..	..	..	6,244	*19	Cleavage.
*135	*215	..	..	..	..	7,952	..	..
*16	broke	..	..	..	..	7,588	..	Good fibrous fracture.
*217	..	..	..	..	..	7,700	..	Long good fracture.
*165	*270	broke	..	..	..	7,952	..	Rather short diagonal fracture.
..	..	..	..	..	..	4,620	*415	Rather short fracture.
..	..	..	..	..	..	5,488	*506	Good fracture.
..	..	..	..	..	..	5,152	*294	Good fibrous fracture.
*230s	*438	broke	..	..	..	8,008	*636	Cleavage and good fibrous fracture.
*128	*161	*232	broke	..	..	9,856	*44	..
*155	broke	..	..	..	..	7,308	*182	Cleavage.
..	..	..	..	..	..	3,808	*252	Short fracture.
..	..	..	..	..	..	3,192	*255	Rather short fracture; slightly worm-eaten.
..	..	..	..	..	..	3,416	*284	Good fracture.
*133	*170	*239	broke	..	..	9,408	*352	Exceedingly good fibrous fracture.
*168	*220	broke	..	..	..	8,400	*280	Cleavage.
*167	*234	"	..	..	..	8,372	*288	Do.
*149	*19	"	..	..	..	8,848	*297	Good fibrous fracture.
..	..	..	..	..	..	..	..	No experiments.
..
*142	*197	broke	..	..	..	8,876	*335	Cleavage.
*219	broke	..	..	..	..	7,336	*297	Do.
broke	..	..	..	..	..	6,216	..	..
*185	broke	..	..	..	..	7,280	..	..
..	..	..	..	..	..	4,480	*350	Short fracture.
broke	..	..	..	..	..	5,600	*460	Good fracture, but inclined to be short.
..	..	..	..	..	..	5,432	*460	Good fracture.
..	..	..	..	..	..	4,256	*400	Rather short fracture.
*214	broke	..	..	..	..	7,728	*4	Good fibrous fracture.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
NEW SOUTH WALES (SOUTH).							
17 B.	Dthackai Courroo	Eucalyptus, sp.	" "				
17 C.	Do.	"	2 by 2	*052	*085	*124	*152
17 D.	Do.	"	"	*055	*085	*11	*15
18 A.	Blue Gum of Coast Districts.	Eucalyptus, sp.	2 by 2	*045	*065	*09	*12
18 B.	Do.	Do.	"	*107	*166	broke	..
18 C.	Do.	Do.	"	*100	*162	broke	..
19 A.	Blue Gum of Camden	Do.	"	*078	*138	*283	broke
19 B.	Do.	Do.	"	*106	*150s	broke	..
19 C.	Do.	Do.	"	*101	broke	..	..
19 D.	Do.	Do.	"	*101	*150	broke	..
20 A.	Blue Gum	Do.	"	*103	*157	"	..
20 B.	Do.	Do.	"	*116	*180	"	..
20 C.	Do.	Do.	"	*104	*157s	*264	broke
20 D.	Do.	Do.	"				
21 A.	Do.	Do.	"	*076	*101	*128	*163
21 B.	Do.	Do.	"	*080	*110	*140	*192
21 C.	Do.	Do.	"				
21 D.	Do.	Do.	"				
23 A.	Grey Gum	Do.	2 by 1½	*074	*104	*142	*212
23 B.	Do.	Do.	2 by 2	*075	*103	*138	*190
23 C.	Do.	Do.	"				
23 D.	Do.	Do.	"				
24 A.	Woolly Butt of Illawarra.	Do.	"	*058	*080	*111	*153
24 B.	Do.	Do.	"				
24 C.	Do.	Do.	"	*078	*118	*155	*144
24 D.	Do.	Do.	"				
25 A.	Rough-barked Gum	Eucalyptus, sp.	2 by 2	*085	*111	*145	*196
25 B.	Do.	Do.	"	*093	*129	*170	*257s
25 C.	Do.	Do.	"				
25 D.	Do.	Do.	"				
26 C.	Spotted or Mottled Gum.	"	"				
26 D.	Do.	"	"				
27 A.	Black Butt Gum	Eucalyptus media?	1½ by 1½	*070	*092	*123	*182
27 B.	Do.	Do.	1½ by 1½	*059	*090	*138	*251
27 C.	Do.	Do.	"	*076	*106	*158	*249
27 D.	Do.	Do.	"	*056	*081	*117	*178
37 A.	"	Eucalyptus, sp.	"	*071	*097	*130	*186
37 B.	"	Do.	1½ by 1½	*082	*122	*173	broke
37 C.	"	Do.	"				
37 D.	"	Do.	"				
38 A.	Grey Gum from Brisbane Water.	Eucalyptus, sp.	2 by 2	*067	*089	*120	*156
38 B.	Do.	Do.	"	*062	*088	*123	*180
38 C.	Do.	Do.	"	*070	*094	*122	*166
38 D.	Do.	Do.	"	*060	*086	*121	*173
40 A.	Messmate	Do.	"	*070	*098	*140	*224
40 B.	Do.	Do.	"	*072	*103	*158	*245
40 C.	Do.	Do.	"	*074	*102	*137	*223
40 D.	Do.	Do.	"	*064	*092	*134	*204
42 A.	Swamp Mahogany	Do.	"	*100	*148	*242s	broke
42 B.	Do.	Do.	"	*072	*102	*153	*208
42 C.	Do.	Do.	"				
43 A.	Do.	Do.	"	*074	*115	*180	*348s
43 B.	Do.	Do.	"	*090	*151	broke	..
43 C.	Do.	Do.	"	*095	*140	*320	broke
43 D.	Do.	Do.	"	*112	*212	broke	..
44 A.	Mahogany	Do.	"	*096	*160	*420	broke
44 B.	Do.	Do.	"	*086	*12	*177	..
44 C.	Do.	Do.	"	*072	*099	*135	*19
44 D.	Do.	Do.	"				
46 A.	Stringy Bark of Coast	Do.	"	*070	*098	*131	*184
46 B.	Do.	Do.	"	*068	*094	*126	broke
46 C.	Do.	Do.	"	*057	*081	*114	*175
46 D.	Do.	Do.	"	*058	*080	*111	*15

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Fracture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
214 broke	broke	..	..	..	..	7,728	*34	Cleavage, good fibrous fracture.
18	broke	..	..	..	..	6,570	..	
..	7,392	..	
..	4,032	*270	Good but not fibrous fracture.
..	4,144	*290	Fracture inclined to be short.
..	4,620	*446	Good fibrous fracture.
..	3,472	*190	} Rather short fracture; very much worm-eaten.
..	3,360	*155	
..	3,360	*180	
..	3,472	*182	Do. do.
..	3,668	*215	Short fracture.
..	4,480	*288	Do.
223	broke	..	..	..	..	7,728	*392	Good fibrous fracture.
320s	7,000	*402	Do.
broke	5,656	*260	Short fracture.
..	6,440	*300	Do.
..	6,720	*242	Fibres slightly parted, and slight cleavage.
..	6,216	*395	Good fibrous fracture.
..	6,636	*350	Tolerably good fracture; inclined to be short.
..	5,824	*344	Tolerably good fracture.
..	No experiments.
broke	6,412	*299	Cleavage.
..	6,104	*460	Good fibrous fracture.
..	5,992	*416	Do.
317s	broke	..	..	..	..	6,888	*358	
broke	6,720	*280	Long good fracture.
..	5,264	*286	Tolerably good fracture
broke	6,328	*245	Cleavage in a shake
..	5,712	*210	Cleavage through centre
230	broke	..	..	..	..	7,280	*295	Cleavage.
broke	6,104	*210	Do.
..	5,880	*310	Short fracture.
..	5,964	*340	Cleavage and fibres parted slightly.
..	5,936	*316	Good fracture.
..	6,216	*340	Do.
..	5,040	*525	Do.
broke	5,712	*556	Good fibrous fracture and cleavage; large worm-hole in centre of top side.
..	5,600	*550	Good fibrous fracture.
..	4,480	*339	Very slight fracture.
..	4,704	*518	Good fracture.
..	4,088	*554	Do.
..	4,480	*594	Do.
..	5,516	*269	Rather short fracture.
broke	6,720	*307	Very short and sudden fracture.
..	6,552	*295	Cleavage and fibres parted.
..	6,384	*485	Good fibrous fracture.
broke	5,880	*348	Good fibrous fracture; slightly worm-eaten.
265	broke	..	..	..	..	6,720	*532	Do. do.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
NEW SOUTH WALES (SOUTH).							
47 A.	Stringy Bark, Appin	Eucalyptus, sp.	" "	'071	'002	'122	'171s
47 B.	Do.	Do.	"	'076	'100	'126	'170
47 C.							
47 D.							
48 A.	Stringy Bark, Camden.	Eucalyptus, sp.	"	'069	'091	'121	'189
48 B.	Do.	Do.	"	'073	'102	'147	'230
48 C.	Stringy Bark	Do.	"	'072	'096	'131	'195
48 D.	Do.	Do.	"	'057	'078	'108	'168
49 A.	Stringy Bark, Ber-rima.	Do.	"	'069	'098	'146	'261
49 B.	Do.	Do.	"	'078	'115	'184	broke
49 C.	Do.	Do.	"	'064	'093	'129	'246
49 D.	Do.	Do.	"	'073	'110	'182	broke
52 A.	Apple Tree of Coast	Augophora, sp.	"	'074	'109	'180	"
52 B.	Do.	Do.	"	'089	'182s	broke	"
52 C.	Do.	Do.	"	'076	'118	"	"
52 D.	Do.	Do.	"	'091	'148	"	"
53 A.	Apple Tree	Do.	1½ by 1½	'124	broke	"	"
53 B.	Do.	Do.	"	'151	"	"	"
53 C.	Do.	Do.	"	'159	"	"	"
53 D.	Do.	Do.	"	'140	"	"	"
54 A.	Turpentine	Syncarpia, sp.	"	'078	'112	'163	broke
54 B.	Do.	Do.	"	'071	'104	'152	"
55 A.	Water Gum	Tristania verifolia	1½ by 1½	'081	'115	'171	'256
55 B.	Do.	Do.	"	'062	'111	'178	broke
57 A.	Hickory	Tristania, sp.	"	'077	'116	'173	'400
55 B.	Do.	Do.	2 by 2	'070	'115	'210	broke
57 C.	Do.	Do.	1½ by 1½	'099	'156	'276	"
57 D.	Do.	Do.	"	'088	'135	'296	"
59 A.	Prickly Tea Tree	Melaleuca styphelioides	"	'106	'225s	broke	"
59 B.	Do.	Do.	"	'102	'210	"	"
60 A.	Common Tea Tree	Melaleuca uncinata	"	'106	'161	"	"
60 B.	Do.	Do.	"	'130	'236	"	"
60 C.	Do.	Do.	"	'118	'206s	"	"
64 A.	Broad-leaved Tea Tree.	Callistemon pallidum	"	'070	'102	'157	'245
64 B.	Do.	Do.	"	'083	'116	'165	broke
70 A.	Myrtle	Acmena	"	'078	'103	'154	'227
70 B.	Do.	Do.	"	'091	'130	'190	broke
84 A.	Black Wattle of Illawarra.	Acacia binervata	"	'068	'078	'111	'170
84 B.	Do.	Do.	"	'070	'094	'135	'206
105 A.	River, or White Oak	Casuarina, sp.	2 by 2	'078	'110	'152	'223
105 B.	Do.	Do.	"	'078	'122	'192	broke
108 A.	Beech Brush Cherry	Trochocarpa laurina	1½ by 1½	'166	'315s	broke	"
108 B.	Do.	Do.	"	'154	'322	"	"
120 A.	Teak Wood	Endiandra glauca	2 by 2	broke	"	"	"
120 B.	Do.	Do.	"	'123	broke	"	"
125 A.	Maiden's Blush	"	1½ by 1½	broke	"	"	"
125 B.	Maiden's Blush; Ladies' Blush.	"	2 by 2	'208	broke	"	"
125 C.	Do.	"	"	'120	"	"	"
125 D.	Do.	"	"	'169	"	"	"
127 A.	Tamarind Tree	Cupania Australis	"	'090	'176	broke	"
136 A.	White Myrtle, Blue Ash.	Aphanopitalum, sp.	"	'228	broke	"	"
136 B.	White Maple	"	"	'128	"	"	"
136 C.	Do.	"	"	'122	"	"	"
136 D.	Do.	"	"	'174	"	"	"
137 A.	Wallandum Deyem	Pittosporum undulatum	1½ by 1½	'100	'157	'271	broke
137 B.	Do.	Do.	2 by 2	'080	'116	'173	"

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Fracture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
*279	broke	..	..	..	..	7,000	*365	Good fibrous fracture; started at a worm-hole.
*286s	"	6,720	*315	Rather short fibrous fracture.
broke	5,936	*284	Cleavage; slight shakes in specimen.
"	6,244	*380	Good fibrous fracture and cleavage.
"	6,572	*485	Good fibrous fracture.
"	6,384	*270	Fibres slightly parted, and cleavage.
"	5,600	*274	Sudden fracture; inclined to be short.
..	5,208	*330	Good fracture.
broke	5,768	*348	Fibres slightly parted, and cleavage.
..	5,124	*378	Good fibrous fracture.
..	4,760	*275	Good long fracture.
..	3,528	*479	Good, but not very fibrous, diagonal fracture.
..	4,480	*191	Cleavage in gum vein, and slight fibrous fracture.
..	4,060	*430	Not a good fracture; defective specimen.
..	2,800	*324	Short but slightly fibrous fracture.
..	2,856	*500	Rather short fracture.
..	3,192	*520	Tolerably good fracture.
..	3,024	*490	Good fracture.
..	5,544	*280	Rather short fracture.
..	5,376	*260	Do.
broke	6,440	*600	Good fracture.
..	5,600	*398	Do.
broke	5,600	*580	Good fracture; small fibres.
..	5,320	*550	Do. do.
..	5,208	*600	Do. do.
..	4,928	*554	Good fracture; small fibres; large worm-holes at end of specimen.
..	3,472	*295	Tolerably good fracture.
..	3,584	*292	Rather short fracture; small fibres.
..	4,256	*265	Rather short and sudden diagonal fracture.
..	3,472	*295	Do. do.
broke	3,360	*260	Long diagonal fracture.
..	5,678	*300	Rather short fracture.
..	5,432	*305	Part short and part long fracture.
broke	6,272	*400	Long diagonal fracture.
..	4,984	*284	Rather short fracture.
*333s broke	6,916	*600	Good fracture; small fibres.
broke	6,720	*535	Do. do.
"	6,552	*430	Good, but rather short fracture.
..	5,460	*390	Do. do.
..	3,360	*370	Rather short fracture.
..	3,528	*508	Short, but fibrous fracture.
..	1,456	*170	
..	3,052	*230	Very short and sudden fracture; broke in two pieces.
..	2,184	*320	Short fracture.
..	2,576	*305	Very short fracture.
..	3,080	*222	Short fracture.
..	2,576	*230	Do.
..	3,808	*278	Short fracture; symptoms of dry rot.
..	2,576	*425	Good fracture.
..	3,360	*268	Short fracture.
..	3,360	*236	Fracture inclined to be short; symptoms of dry rot.
..	3,080	*340	Do. do.
..	4,872	*370	Rather short diagonal fracture.
..	5,376	*482	Good fracture, not fibrous.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
NEW SOUTH WALES (SOUTH).							
139 A.	White Myrtle, Blue Ash, and Ash.	-	"	"	"	"	"
140 A.	Light Wood	Ceratopetalum apetalum	2 by 2	'145	broke	"	"
140 B.	Light Wood, Leather Jacket, Coach Wood.	Do.	"	'094	'176	broke	"
154 A.	Red Ash, Leather Jacket, Coopers' Wood.	Alphitonia, sp.	"	'076	'114	'181	broke
154 B.	Do.	Do.	"	"	"	"	"
155 A.	Found at Irrawarra	Rhamnaceæ	"	'083	'137	'2428	"
155 B.	Do.	Do.	"	'083	'114	'183	"
171 A.	White Beech, Beech	Vitex sp.	"	'074	'102	'158	"
171 B.	Do.	Do.	"	'188	broke	"	"
171 C.	Do.	Do.	"	broke	"	"	"
171 D.	Do.	Do.	"	"	"	"	"
177 A.	Mountain Ash	Elaeocarpus, sp.	1½ by 1½	'152	broke	"	"
177 B.	Do.	Do.	"	'082	'136	'360	broke
177 C.	Do.	Do.	"	'078	'126	broke	"
177 D.	Do.	Do.	1½ by 1½	'089	'154	"	"
			"	'088	'166	"	"
NEW SOUTH WALES (FROM HUNTER RIVER).							
1 A.	Blue Gum	-	2 by 2	'063	'084	'117	'168
3 A.	Grey Gum	-	2 by 1½	'067	'094	'128	'167
5 A.	Iron Bark	-	2 by 2	'050	'069	'092	'123
5 B.	Iron Bark	-	"	'044	'063	'087	'113
6 B.	Mahogany	-	"	"	"	"	"
7 A.	Tea Tree	-	"	'103	'1508	broke	"
7 Aa.	Do.	-	"	'144	broke	"	"
8 A.	Iron Bark	-	"	broke	"	"	"
8 B.	Do.	-	"	'043	'057	'071	'087
9 A.	Blue Gum	-	"	'044	'057	'073	'087
			"	'052	'074	'108	'1578
A.	Pine	-	"	'107	'218	broke	"
			"	"	"	"	"
QUEENSLAND.							
1 A.	Bunya Bunya	Arancaria Bidwillii,	2 by 2	'162	broke	"	"
1 B.	Do.	Hook.	"	"	"	"	"
1 Aa.	Do.	Do.	"	'151	"	"	"
1 Ab.	Do.	Do.	"	'192	"	"	"
2 A.	Moreton Bay Pine	Do.	"	'164	"	"	"
2 B.	Do.	Arancaria Cunninghamii,	"	broke	"	"	"
2 Aa.	Do.	Ait.	"	"	"	"	"
2 Ab.	Do.	Do.	"	"	"	"	"
4 A.	Cypress Pine	Do.	"	'248	broke	"	"
5 A.	She-Pine	Octoclinis Backhousi,	1½ by 1½	'340	"	"	"
5 B.	Do.	Hill.	"	broke	"	"	"
5 Aa.	Do.	Podocarpus elatus, R.B.	2 by 2	'114	broke	"	"
5 Ab.	Do.	Do.	"	'135	"	"	"
6 A.	Forest Oak	Do.	"	'098	"	"	"
6 B.	Do.	Casuarina torulosa, R.B.	"	'110	"	"	"
6 Aa.	Do.	Do.	"	'065	'088	'114	'153
6 Ab.	Do.	Do.	"	'073	'103	'136	broke
7 A.	River Oak	Do.	"	'186	'128	broke	"
8 A.	Shingle Oak	Casuarina distyla, Vent.	2 by 1½	'078	'117	"	"
8 B.	Do.	Casuarina stricta, R.B.	2 by 2	'115	broke	"	"
8 Aa.	Do.	Do.	"	'133	"	"	"
8 Ab.	Do.	Do.	"	'109	"	"	"
		Do.	"	'101	"	"	"
			"	'116	"	"	"

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	No experiments.
..	3,136	*410	Good fracture.
..	3,808	*290	Long fracture.
..	5,264	*294	Rather short fracture.
..	4,508	*315	Do. do.
..	4,648	*235	Short fracture.
..	5,320	*250	Cleavage and fibres parted slightly.
..	2,240	*198	Short and sudden fracture.
..	2,240	*276	Short fracture.
..	2,184	*200	Short diagonal fracture.
..	2,856	*260?	Fracture inclined to be short.
..	4,480	*400	Good fracture.
..	4,284	*390	Do.
..	3,808	*350	Not a very good fracture.
..	4,144	*350	Tolerably good fracture.
*254s	broke	..	..	..	..	7,000	*300	Good fracture.
*256s	7,168	*320	Very good fracture.
*173s	*270	broke	..	..	..	8,008	..	The fracture started with cleavage in a shake; fibres parted a little.
*160	*248s	broke	..	..	..	8,120	*405	Very good fracture and afterwards cleavage.
..	3,360	*150	Short and sudden fracture.
..	3,192	*214	Fracture quite short and sudden.
..	2,128	*152	Diagonal sudden fracture, not fibrous.
*106	*133	*171	broke	..	..	9,445	*200	Cleavage; fracture of one splinter.
*139s	*177	broke	..	..	..	9,156	*202	Part cleavage and part fracture.
*465	broke	..	..	..	..	6,860	*550	Cleavage and good fibrous gradual fracture.
..	3,845	*520	Fracture quite short and sudden; deflection at 1,120, *058 lbs.
..	2,996	*334	Very short and sudden fracture.
..	3,052	*383	Short and sudden fracture.
..	2,660	*337	Do. do.
..	2,800	*315	Very short and sudden fracture.
..	2,240	*430	Short and sudden fracture.
..	2,184	*394	Do. do.
..	2,427	*432	Do. do.
..	3,360	*395	Do. do.
..	2,240	*161	Short grain; sudden fracture.
..	3,024	*415	Fracture quite short.
..	3,080	*400	Broke short in two pieces.
..	3,248	*182	Very short and sudden fracture.
..	2,632	*150	Do. do.
broke	6,720	*231	Short and sudden fracture.
..	5,460	*176	Cleavage, ynd one splinter.
..	3,864	*210	} Rather short fracture; symptoms of
..	4,144	*350	} dry rot.
..	2,800	*200	Tolerable fracture; symptoms of dry rot.
..	2,632	*200	Short fracture; specimen slightly worm-eaten.
..	2,744	*214	Short fracture; dry rot.
..	3,192	*160	Very short fracture; symptoms of dry rot.
..	2,968	*255	Short fracture; symptoms of dry-rot.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
QUEENSLAND.							
9 A.	Swamp Oak	Casuarina equisetifolia, L.	" "				
9 B.	Do.	Do.	2 by 2	'058	'083	'116	'169
10 A.	Red Cedar	Cedrela australis, Auct.	"	'071	'102	'152	'257
10 B.	Do.	Do.	"	'188	broke	"	"
10 Aa.	Do.	Do.	"	broke	"	"	"
10 Ab.	Do.	Do.	"	'234	broke	"	"
11 A.	Light Yellow Wood	Oxleya Xanthoxylon, Hook.	"	broke	"	"	"
11 B.	Do.	Do.	"	'094	'165	broke	"
11 Aa.	Do.	Do.	"	'099	'201	"	"
11 Ab.	Do.	Do.	"	'094	'170	"	"
12 A.	Flindosa	Flindersia australis, R.B.	"	'116	'223	"	"
12 B.	Do.	Do.	"	'063	'091	'124	'187
12 Aa.	Do.	Flindersia australis	"	'083	'121	'188	broke
12 Ab.	Do.	Do.	"	'060	'086	'121	'188
13 A.		Do.	"	'066	'095	'145	'290
13 B.		Flindersia Bennettiana, F.M.	"	'070	'122	'358	broke
13 Aa.		Do.	"	'094	broke	"	"
13 Ab.		Do.	"	'092	'202	broke	"
14 A.		Do.	"	'088	'145	"	"
14 B.		Flindersia Selwiniana, F.M.	"	broke	"	"	"
15 A.	Silky Oak	Grevillea robusta, R.B.	2 by 2				
15 B.	Do.	Do.	"	'192	broke	"	"
15 Aa.	Do.	Do.	"	'152	"	"	"
15 Ab.	Do.	Do.	"	'137	"	"	"
16 A.	Beef Wood	Banksia compar, R.B.	"	'216	"	"	"
16 B.	Do.	Do.	"	broke	"	"	"
16 Aa.	Do.	Do.	"	"	"	"	"
16 Ab.	Do.	Do.	"	"	"	"	"
17 A.	Tulip Tree	Agnostus sinuatus, A. Cunn.	"	"	"	"	"
17 Ab.	Do.	Do.	"	'082	broke	"	"
17 Aa.	Do.	Do.	"	'138	'373	broke	"
17 Ab.	Do.	Do.	"	'077	'153	"	"
18 A.		Do.	"	'113	'251	"	"
18 B.		Aralia elegans, Cunn.	"	broke	"	"	"
19 A.	Light Wood	Do.	"	"	"	"	"
19 B.	Do	Ceratopetalum apetalum, Don.	"	'078	'112	'160	'275
19 Aa.	Do.	Do.	"	'070	'110	'209	broke
19 Ab.	Do.	Do.	"	'063	'100	'151	'267
20 A.	Callhum	Do.	"	"	"	"	"
20 B.	Do.	Elaeocarpus grandis, F.M.	"	'072	'115	'184	broke
20 Aa.	Do.	Do.	"	'070	'096	'132	'185
20 Ab.	Do.	Do.	"	'065	'086	'111	'141
20 Ba.	Do.	Do.	"	'105	'2668	broke	"
20 Bb.	Do.	Do.	"	'108	broke	"	"
21 A.	Cabbage Tree	Do.	"	'106	"	"	"
21 B.	Do.	Do.	"	'116	"	"	"
23 A.	Mountain Ash	Corypha australis, R.B.	"	'160	"	"	"
23 B.	Do.	Do.	"	'122	"	"	"
23 Aa.	Do.	Alphitonia excelsa, Reiskeck.	"	'074	'110	'1758	broke
23 Ab.	Do.	Do.	"	'086	'1738	broke	"
24 A.	Broad-leaved Cherry	Exocarpus latifolius, R.B.	"	'058	'080	'107	'146
24 B.	Do.	Do.	"	'066	'091	'125	'176
		Do.	"	'061	'082	'107	'140
			"	'067	'092	'121	'164

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
broke	5,852	*340	Tolerable fracture; specimen shaky, but without any apparent effect.
..	5,740	*344	Tolerable fracture.
..	5,520	*285	Diagonal cleavage.
..	1,120	*130	
..	2,296	*470	Rather short fracture.
..	1,848	*254	Rather short diagonal fracture.
..	4,312	*365	Short fracture.
..	3,920	*430	Good fracture.
..	4,088	*405	Cleavage; symptoms of dry rot.
..	3,668	*395	Good fracture; symptoms of dry rot.
*328	broke	..	..	..	..	7,252	*700	Good fracture; small fibres.
..	4,928	*250	Cleavage.
*410	broke	..	..	..	..	6,776	*530	Very good, part fracture and part cleavage.
broke	5,600	*762	Cleavage.
..	4,480	*400	Cleavage, and part fibrous fracture; symptoms of dry rot.
..	3,136	*180	Long fracture.
..	3,696	*286	Rather short and sudden fracture.
..	4,340	*300	Short and sudden fracture; symptoms of dry rot in specimen.
..	784	*210	Very short and sudden fracture; symptoms of dry rot.
..	No experiment.
..	2,688	*580	Tough, short, and rather fibrous fracture.
..	3,024	*655	Tough, short fracture.
..	2,996	*465	Rather short fibrous fracture.
..	2,380	*440	Do. do.
..	2,184	*430	Rather short fracture.
..	2,128	*345	Rather short fracture; symptoms of being worm-eaten.
..	2,044	*420	Short fracture.
..	1,904	*340	Do.
..	3,304	*325	Cleavage only.
..	3,528	*610	Tough, fibrous fracture.
..	3,752	*200	Cleavage; symptoms of dry rot.
..	3,556	*430	Good fracture; small fibres.
..	1,829	*370	Very short and sudden fracture; slight symptoms of dry rot.
..	859	*090	Very short fracture.
broke	5,936	*390	Rather long fracture.
..	5,376	*610	Good fracture.
broke	6,104	*450	Part of the fracture fibrous, and part inclined to be short; symptoms of dry rot.
..	5,404	*400	Good fracture and cleavage.
broke	5,936	*400	Defective.
*185	*238	broke	..	..	..	8,400	*300	Fibres slightly parted, and end cleav- age.
..	3,360	*302	Good fracture.
..	3,192	*372	Tolerably good fracture.
..	3,052	*282	Fracture inclined to be short slight symptoms of dry rot.
..	3,360	*356	Good fracture; slight symptoms of dry rot.
..	2,744	*390	Cleavage.
..	2,408	*314	Do.
..	4,984	*320	Good fracture; symptoms of dry rot.
..	4,004	*396	Started in sap; symptoms of dry rot.
*210	broke	..	..	..	..	7,336	*340	Fibres slightly parted, and cleavage.
broke	6,048	*338	Good fracture.
..	6,384	*190	Short and sudden fracture.
..	6.38	*230	Cleavage.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
QUEENSLAND.							
24 Aa.	Broad-leaved Cherry	Exocarpus latifolius, R.B.	" "	'058	'085	'119	'173
24 Ab.	Do.	Do.	"	'055	'078	'105	'146
25 A.	Cherry	Exocarpus cupressiformis, R. B.	"	'186	broke	"	"
25 B.	Do.	Do.	"	'139	"	"	"
25 Aa.	Do.	Do.	"	'106	'164	broke	"
25 Ab.	Do.	Do.	"	'138	broke	"	"
28 A.	Mangrove	Avicennia tomentosa, L.	"	'123	"	"	"
28 B.	Do.	Do.	"	'102	'178	broke	"
28 Aa.	Do.	Do.	"	'153	broke	"	"
28 Ab.	Do.	Do.	"	'160	"	"	"
29 A.	Lignum Vitæ	Vitex lignum vitæ, A. Cunn.	"	'081	'112	'156	broke
29 B.	Do.	Do.	"	'081	'116	'162	"
29 Aa.	Do.	Do.	"	'076	'103	'140	'212
29 Ab.	Do.	Do.	"	'075	'107	'146	broke
30 A.	Beech	Tectona australis, Hill	"	'116	broke	"	"
30 B.	Do.	Do.	"	'134	"	"	"
30 Aa.	Do.	Do.	"	'107	'308	broke	"
30 Ab.	Do.	Do.	"	'100	'234	"	"
31 A.	White Cedar	Melia australis, F. M.	"	'163	broke	"	"
31 B.	Do.	Do.	"	'137	"	"	"
31 Aa.	Do.	Do.	"	broke	"	"	"
31 Ab.	Do.	Do.	"	"	"	"	"
32 A.	Plum Tree	Owenia venosa, F. M.	"	'073	'112	'200	broke
32 B.	Do.	Do.	"	'072	'120	'210	"
32 Aa.	Do.	Do.	"	'062	'092	'147	broke
32 Ab.	Do.	Do.	"	'088	'165	broke	"
33 A.	Rosewood	"	"	'089	'155	"	"
33 B.	Do.	"	"	'092	'192	"	"
33 Aa.	Do.	"	"	'104	'244	"	"
33 Ab.	Do.	"	"	'091	'203	"	"
34 A.	Dark Yellow Wood	Rhus elegans, Hill	"	'078	'125	'235s	broke
34 B.	Do.	Do.	"	'079	'138	'203	"
35 A.	Cugerie	"	"	'158	broke	"	"
35 B.	Do.	"	"	'170	"	"	"
35 Aa.	Do.	"	"	'104	'278	broke	"
35 Ab.	Do.	"	"	'110	'348	"	"
36 A.	"	Pseudalangium tomentosum, F. M.	"	'075	'109	'154	broke
36 B.	"	Do.	"	'080	'122	broke	"
36 Aa.	"	Do.	"	'066	'094	'134	broke
36 Ab.	"	Do.	"	'071	'108	'179	"
37 Aa.	"	Capparis Mitchellii, Lindl.	"	broke	"	"	"
37 Ab.	"	Do.	"	"	"	"	"
38 A.	Grey Plum	Busbeckea arborea, Endl.	"	'157	broke	"	"
38 B.	Do.	Do.	"	'137	"	"	"
38 Aa.	Do.	Do.	"	'138	"	"	"
38 Ab.	Do.	Do.	"	'102	"	"	"
39 A.	Sassafras	Atherosperma micranthum, Tulasne.	"	'132	"	"	"
39 B.	Do.	Do.	"	'102	'203	broke	"
39 Aa.	Do.	Do.	"	'156	broke	"	"
39 Ab.	Do.	Do.	"	'159	"	"	"
40 A.	"	Cupania sp.	"	'084	'142	broke	"
40 B.	"	Do.	"	'091	'144	"	"
40 Aa.	"	Do.	"	'097	'138	'237	broke
40 Ab.	"	Do.	"	'073	'106	'257	"

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
broke	6,692	274	Cleavage in a shake in heart.
..	6,608	390	Good fracture and cleavage.
..	3,080	370	Very short and sudden fracture; dry rot on the upper side.
..	3,276	275	Started at a worm hole.
..	4,368	315	Short and sudden fracture.
..	3,304	300	Do. do.
..	2,996	396	Rather short fracture; symptoms of dry rot.
..	3,528	268	Short fracture; symptoms of dry rot.
..	2,408	180	Very short and sudden fracture; dry rot.
..	2,884	260	Diagonal fracture: symptoms of dry rot.
..	5,488	210	Very short and sudden fracture.
..	5,572	231	Short and sudden fracture.
broke	5,600	246	Fracture inclined to be short; started at a worm hole and broke suddenly.
..	5,600	206	Sudden fracture; inclined to be short.
..	3,304	291	Good fracture.
..	3,024	270	Do.
..	3,360	355	Fibrous fracture.
..	3,416	315	Tolerably good fracture.
..	2,464	212	Fracture inclined to be short.
..	2,464	198	Rather short fracture.
..	2,184	176	Do. do.
..	1,307	120	
..	5,264	520	Good fibrous fracture.
..	5,124	474	Fibres slightly parted, and cleavage shaky.
..	5,488	429	Good fracture.
..	4,256	410	Long diagonal fracture; splinters flew out.
..	4,452	387	Tough cleavage only.
..	4,004	410	Good fracture; inclined to be short.
..	3,472	380	Rather short fracture.
..	3,472	380	Do. do.
..	4,648	280	Good fracture.
..	4,620	350	Rather long but not fibrous fracture.
..	2,800	320	Short fracture.
..	2,464	310	Do.
..	3,388	388	Good fibrous fracture.
..	3,360	452	Do. do.
..	5,012	190	Rather short fracture.
..	4,480	240	Cleavage in a shake.
..	5,600	214	Very short fracture.
..	4,480	198	Cleavage in shake.
..	1,036	350	Very short fracture.
..	728	195	Very short and sudden fracture.
..	2,520	190	Very short fracture; symptoms of dry rot.
..	2,576	190	Brittle; diagonal cleavage.
..	3,576	213	Very short fracture; symptoms of dry rot in specimen.
..	2,408	144	Do. do.
..	3,052	275	Long but not fibrous fracture.
..	3,556	280	Short fracture.
..	3,108	365	Short fracture; not a good specimen.
..	2,744	480	Cleavage in a shake, and fibres parted slightly.
..	3,696	186	Short fracture; shakes in specimen.
..	4,200	264	Very short fracture.
..	4,480	249	Very short and sudden fracture.
..	5,040	200	Short and sudden fracture; symptoms of dry rot in specimen.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
QUEENSLAND.							
41 A.	-	Cupania pseudorehus, A. Rich.	1½ by 1½	'154	broke	..	..
41 B.	-	Do.	2 by 2	'141	"	..	..
43 A.	Tamarind Tree	Cupania australis, Hook.	"	'155	"	..	..
43 B.	Do.	Do.	"	broke	"	..	..
43 Aa.	Do.	Do.	"	'094	'168	broke	..
43 Ab.	Do.	Do.	"	'135	broke	..	..
44 A.	Tulip Wood	Harpulia pendula, Planch.	"	'062	'093	'147	'299
44 B.	Do.	Do.	"	'072	'109	'174	broke
44 Aa.	Do.	Do.	"	'060	'086	'125	'205
44 Ab.	Do.	Do.	"	'060	'091	'141	'236
45 A.	-	Schmidelia pyriformis, F. M.	"	'063	'087	'174	broke
45 B.	-	Do.	"	'076	'123	'251	..
45 Aa.	-	Do.	"	'083	'128	'228	..
45 Ab.	-	Do.	"	'064	'095	'159	..
46 A.	-	Catha Cunninghami, Hook.	"	'090	'129	'219	..
46 B.	-	Do.	"	'097	'150	broke	..
46 Aa.	-	Do.	"	'081	'122	'192	broke
46 Ab.	-	Do.	"	'085	'136	'244	..
47 A.	Lime	Citrus australis, R. B.	"	'081	'135	'260	..
47 B.	Do.	Do.	"	'092	'174	broke	..
47 Aa.	Do.	Do.	"	'100	broke	..	..
47 Ab.	Do.	Do.	"	'092	"	..	..
48 A.	-	Cymnosma oblongifolia, Gaertn.	"	'072	'068	'135	'205
48 B.	-	Do.	"	'062	'088	'122	broke
48 Aa.	-	Do.	"	'056	'079	'104	'142
48 Ab.	-	Do.	"	'065	'090	'129	broke
49 A.	-	Mimusops parviflora, Linn.	"	'114	'199	broke	..
49 B.	-	Do.	"	'111	'198	broke	..
49 Aa.	-	Do.	"	'084	'120	'217	broke
49 Ab.	-	Do.	"	'082	'133	broke	..
50 A.	-	Maba geminata, R. B.	"	'118	'230	"	..
50 B.	-	Do.	"	'116	broke	..	..
50 Aa.	-	Do.	"	'076	'118s	broke	..
50 Ab.	-	Do.	"	'102	broke	..	..
51 A.	-	Cargillia australis, R. B.	"	'142	"	..	..
51 B.	-	Do.	"	'158	"	..	..
52 A.	-	Hodgkinsonia ovatiflora, F. M.	"	'120	broke	..	..
52 B.	-	Do.	"	'158	"	..	..
52 Aa.	-	Do.	"	'085	'140	broke	..
52 Ab.	-	Do.	"	'100	'178	..	..
53 A.	-	Myrtus trinervis, R. B.	"	'080	'118	'209	broke
53 B.	-	Do.	"	'088	'152	'304	..
53 Aa.	-	Do.	"	'080	'122	'204	..
53 Ab.	-	Do.	"	'086	'147	'275	..
54 A.	-	Myrtus argentea, Hill	"	'077	'110	'157	..
54 B.	-	Do.	"	'083	'129	'228	..
54 Aa.	-	Do.	"	'081	'122	'189	..
54 Ab.	-	Do.	"	'095	'152	broke	..
55 A.	-	Backhousia citriodora, F. M.	"	'077	'119	'204	broke
55 B.	-	Do.	"	'074	'106	'163	'351

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	3,164	*432	Tolerable fracture; defective specimen.
..	2,800	*240	Short fracture; defective specimen.
..	2,548	*300	Short fracture; symptoms of dry rot.
..	1,456	*095	Do. do.
..	3,360	*210	Very short fracture; dry rot in speci- men.
..	2,240	*135	Do. do.
broke	5,992	*424	Good fibrous fracture.
..	5,516	*430	Good fracture.
broke	6,384	*301	Rather short fracture.
..	5,880	*330	Fibres slightly parted, and cleavage.
..	4,760	*220	Rather long but not fibrous fracture.
..	4,760	*340	Long diagonal fracture.
..	4,984	*324	Tolerably good fracture, but inclined to be short.
..	5,040	*270	Tolerably good fracture.
..	4,536	*245	Short and sudden fracture.
..	4,234	*290	Do. do.
..	5,376	*320	Good fracture; shaky.
..	4,592	*380	Fracture inclined to be short; symp- toms of dry rot.
..	4,816	*378	Very short and sudden fracture; Symptoms of dry rot.
..	3,808	*278	Do. do.
..	3,136	*180	Do. do.
..	3,080	*175	Do. do.
broke	6,384	*398	Good fracture.
..	5,600	*174	Fracture quite short.
*222 broke	7,252	*410	Good fracture.
..	5,348	*180	Cleavage in a shake.
..	3,640	*250	Short and sudden fracture; symptoms of dry rot.
..	3,584	*260	Half very short and half cleavage; symptoms of dry rot.
..	4,480	*290	Very short fracture.
..	4,200	*260	Do. do.
..	3,360	*275	Cleavage; considerable symptoms of dry rot.
..	2,716	*200	Short fracture; considerable symp- toms of dry rot.
..	3,584	*172	Good fracture; considerable symptoms of dry rot.
..	2,632	*216	Short fracture; considerable symp- toms of dry rot.
..	2,856	*314	Fibres slightly fractured, and cleavage; considerable symptoms of dry rot.
..	2,800	*320	End cleavage in a shake; considerable symptoms of dry rot.
..	2,856	*180	Very short and sudden fracture.
..	2,968	*250	Short and sudden fracture.
..	3,920	*195	Short fracture; symptoms of dry rot.
..	3,920	*175	Very short fracture.
..	5,320	*480	Good fracture.
..	4,928	*470	Do.
..	4,732	*252	Very short fracture.
..	4,732	*355	Good but rather short fracture, and cleavage in a shake.
..	5,488	*264	Short fracture.
..	5,040	*350	Very short fracture.
..	5,600	*391	Short fracture.
..	3,528	*249	Rather short fracture; shaky speci- men.
..	5,152	*530	Good fracture; small fibres.
broke	5,628	*530	Do. do.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
QUEENSLAND.							
55 Aa.	-	Backhousia citriodora, F.M.	" "	'076	'115	'186	broke
55 Ab.	-	Do.	"	'104	'167	broke	"
56 A.	-	Eugenia marginata, Hill.	"	'161	broke	"	"
56 B.	-	Do.	"	'184	"	"	"
56 Aa.	-	Do.	"	'116	"	"	"
56 Ab.	-	Do.	"	'178	"	"	"
57 A.	Ironwood	Eugenia, sp.	"	'004	'094	'140	'219
57 B.	Do.	-	"	'015	'098	'158	'271
58 A.	Myrtle	Backhousia myrtifolia, Hook.	"	'056	'078	'110	'166
58 B.	Do.	Do.	"	'068	'094	'136	'250
58 Aa.	Do.	Do.	"	'068	'097	'137	'216
59 A.	-	Myrtus acmenoides, F. M.	"	'079	'124	'280	broke
59 B.	-	Do.	"	'097	'188	broke	"
58 Aa.	-	Do.	"	'125	'325	"	"
59 Ab.	-	Do.	"	'112	'286	"	"
60 A.	-	Myrtus australis, Hill	"	'088	'135	'224	broke
60 B.	-	Do.	"	'102	'161	broke	"
60 Aa.	-	Do.	"	'092	'137	'230	broke
61 A.	(Name in natural order.)	Myrtaceæ	"	'065	'085	'112	'148
61 B.	-	-	"	'067	'094	'132	'179
61 Aa.	(Name in natural order.)	Myrtaceæ	"	'066	'091	'126	'178
61 Ab.	-	-	"	'074	'103	'145	broke
62 A.	Box	Lophostemon macrophyllum, R. B.	"	'110	'181	broke	"
62 B.	Do.	Do.	"	'114	'185	broke	"
62 Aa.	Do.	Do.	"	'130	broke	"	"
62 Ab.	Do.	Do.	"	'130	"	"	"
63 A.	Black Iron Bark	Eucalyptus, sp.	"	'053	'070	'092	'129
63 B.	Do.	Eucalyptus, sp.	"	'061	'088	'122	'171
63 Aa.	Do.	Do.	"	'059	'078	'104	'144
63 Ab.	Do.	Do.	"	'063	'083	'110	'141
64 A.	Grey Iron Bark	Eucalyptus, sp.	"	'051	'068	'090	'122
64 B.	Do.	Do.	"	'060	'083	'113	'161
64 Aa.	Do.	Eucalyptus, sp.	"	'052	'069	'090	'118
64 Ab.	Do.	Eucalyptus, sp.	"	'055	'078	'105	'144
65 A.	Red Iron Bark	Eucalyptus, sp.	"	'054	'072	'096	'128
65 B.	Do.	Eucalyptus, sp.	"	'049	'069	'095	'126
65 Aa.	Do.	Eucalyptus, sp.	"	'054	'073	'098	'132
65 Ab.	Do.	Eucalyptus, sp.	"	'055	'074	'098	'130
66 A.	Stringy Bark	Eucalyptus, sp.	"	'069	'094	'129	broke
66 B.	Do.	Eucalyptus, sp.	"	'066	'093	'130	'205
66 Aa.	Do.	Eucalyptus, sp.	"	'070	'095	'130	broke
66 Ab.	Do.	Eucalyptus, sp.	"	'060	'085	'119	'202
67 A.	Spotted Gum	Eucalyptus maculatus, Hook.	"	'060	'082	'108	'144
67 B.	Do.	Do.	"	'059	'080	'105	'140
67 Aa.	Do.	Do.	"	'052	'071	'094	'121
67 Ab.	Do.	Do.	"	'055	'076	'102	'140
68 A.	Turpentine Tree	Eucalyptus, sp.	"	'062	'082	'110	broke
68 B.	Do.	Eucalyptus, sp.	"	'064	'087	'118	'195
68 Aa.	Do.	Do.	"	'060	'084	'120	'178
68 Ab.	Do.	Do.	"	'063	'087	'120	'182
69 A.	Smooth-barked Gum	Eucalyptus, sp.	"	'075	'114	'196	broke
69 B.	Do.	Do.	"	'087	'140	'260	"
69 Aa.	Do.	Do.	"	'098	'208	broke	"
69 Ab.	Do.	Do.	"	'084	'136	'293	broke
70 A.	Blood Wood	Eucalyptus paniculatus, Sm.	"	'120	'191	broke	"
70 B.	Do.	Do.	"	'107	'200	"	"
70 Aa.	Do.	Do.	"	'110	'174	"	"
70 Ab.	Do.	Do.	"	'103	'166	"	"
71 A.	Swamp Mahogany	Do.	"	'060	'084	"	"
71 B.	Do.	Angophora, sp.	2 by 1 1/2 2 by 2	'054	'078	'101	'144

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	4,956	*300	Rather short fracture.
..	3,864	*33	Do. do.
..	3,304	*955	Tough; good fibrous fracture.
..	3,080	*980	Do. do.
..	3,248	*300	Tolerably good fracture; slight symp- toms of dry rot.
..	2,800	*422	Do. do. do.
broke	6,608	*500	Very good fibrous fracture and cleav- age.
..	6,384	*500	Good fibrous fracture.
*265	broke	..	..	..	..	6,888	*308	Tolerably good fracture.
broke	6,412	*314	Cleavage.
..	5,796	*238	Cleavage only.
..	4,620	*360	Long fracture.
..	3,360	*540	Tough; good fracture.
..	3,556	*540	Good fracture; small fibres.
..	3,528	*470	Good long fracture.
..	4,676	*320	Good fracture, but not very fibrous.
..	4,032	*364	Long fracture.
..	5,152	*373	Short and sudden fracture.
*201	broke	..	..	..	..	7,616	*290	Good fracture.
broke	6,608	*275	Fibres slightly parted, and cleavage.
..	6,608	*283	Tolerably good fracture: diagonal grain.
..	5,432	*240	Cleavage only: shaky specimen.
..	4,060	*278	Rather short fracture.
..	4,144	*292	Rather short fracture; symptoms of dry-rot.
..	3,136	*220	Short fracture.
..	3,332	*226	Short and sudden fracture.
*165	*216	broke	..	..	..	8,344	*383	Good fracture.
broke	6,118	*235	Cleavage in a shake.
*201	broke	..	..	..	..	7,504	*336	Fibres parted, and cleavage.
*209s	7,504	*315	Do. do.
*185	7,616	*384	Good fibrous fracture.
broke	6,496	*300	Cleavage in a shake.
*161	*235	broke	..	..	..	8,400	*380	Long, good, fibrous fracture.
*216	broke	..	..	..	..	7,392	*390	Good fibrous fracture.
*180	7,224	*235	Two splinters, and cleavage.
*176	7,280	*320	Good fibrous fracture.
*177	7,728	*318	Do. do.
*184	7,392	*270	Cleavage, and fibres parted.
..	5,600	*218	Fibres parted, and cleavage.
broke	5,600	*274	Fibrous fracture.
..	5,488	*208	Good fracture.
broke	5,600	*244	Cleavage, and fibres parted.
*221s	broke	..	..	..	..	7,224	*390	Long fracture.
..	7,672	*370	Good long fracture.
*198	*298	broke	..	..	..	8,064	*350	Long fracture; slight shake.
*199	broke	..	..	..	..	7,168	*308	Long fracture; cleavage in a shake.
..	5,376	*180	Cleavage only.
broke	6,104	*406	Good gradual fracture.
..	6,104	*270	Good fracture; worm-eaten.
..	6,272	*320	Long, good fracture.
..	4,844	*275	Cleavage.
..	4,592	*564	Cleavage, and fibres parted.
..	3,808	*514	Good fracture and cleavage.
..	4,620	*482	Good fracture.
..	3,836	*268	Rather short fracture.
..	3,500	*268	Do. do.
..	4,368	*286	Cleavage only.
..	4,228	*286	Rather short fracture; shaky specimen.
..	4,200	*120	Cleavage in gum vein.
*234	broke	..	..	..	..	6,720	315	Cleavage, and fibres parted.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
QUEENSLAND.			" "				
71 Aa.	Swamp Mahogany -	Angophora, sp. -	2 by 2	'074	'096	'182s	broke
72 A.	Woolly Butt -	Eucalyptus, sp. -	"	'056	'072	'096	'123
72 B.	Do. -	- - -	"	'055	'078	'108	'146
72 Aa.	Do. -	Eucalyptus, sp. -	"	'052	'072	'106s	'146
72 Ab.	Do. -	- - -	"	'051	'070	'092	'122
73 A.	Blue Gum -	Eucalyptus, sp. -	"	'070	'096	'156	'288
73 B.	Do. -	- - -	"	'074	'106	'158	broke
73 Aa.	Do. -	Eucalyptus, sp. -	"	'070	'100	'158	"
73 Ab.	Do. -	Do. -	"	'072	'110	'180	"
76 A.	Prickly-leaved Tea Tree.	Melaleuca styphelioides, Smith.	"	'120	'200	broke	"
76 B.	Do. -	Do. -	"	'138	'300s	"	"
76 Aa.	Do. -	Do. -	"	'152	broke	"	"
76 Ab.	Do. -	Do. -	"	'140	"	"	"
77 A.	Broad-leaved Tea Tree.	Callistemon salignum -	"	'122	'250s	broke	"
77 B.	Do. -	Do. -	"	'123	'238s	"	"
79 A.	Common Tea Tree -	Melaleuca uncinata, Sm.	"	'084	'122	'197	broke
79 B.	Do. -	Do. -	"	'094	'138	'218	"
79 Aa.	Do. -	Do. -	"	'087	'125	broke	"
79 Ab.	Do. -	Do. -	"	'089	'127	'199	broke
80 A.	Bottle Brush Tree -	Callistemon lanceolatum, Dec.	"	'118	'193	'406	"
80 B.	Do. -	Do. -	"	'136	'218	'465	"
80 Aa.	Do. -	Do. -	"	'100	'152	'289	"
80 Ab.	Do. -	Do. -	"	'112	'186	'339	"
81 A.	-	Croton phebalioides, R. B.	"	'067	'104	'169	"
81 B.	-	Do. -	"	'063	'092	broke	"
81 Aa.	-	Do. -	"	'057	'084	'125	broke
81 Ab.	-	Do. -	"	'070	'110	broke	"
83 A.	-	Rottlera -	"	'098	broke	"	"
83 B.	-	Do. -	"	'098	"	"	"
83 Aa.	-	Do. -	"	'078	'115	broke	"
83 Ab.	-	Do. -	"	'090	broke	"	"
84 A.	Satin Wood -	Xanthoxylon australis -	"	'063	'100	broke	"
84 B.	Do. -	Do. -	"	'068	'114	'236	broke
84 Aa.	Do. -	Do. -	"	'062	'103	'204	"
84 Ab.	Do. -	Do. -	"	'061	'096	'168	"
86 A.	-	-	"	"	"	"	"
86 B.	-	-	"	"	"	"	"
87 A.	Leichhardt's Wood	Sarcocephalus ovalifolius; Rubiaceae.	2 by 2	'177	broke	"	"
87 B.	Do. -	Do. -	"	broke	"	"	"
88 A.	-	Bursaria ferruginea, H.	"	'068	'095	'135	broke
88 B.	-	Do. -	"	'068	'098	'146	"
88 Aa.	-	Do. -	"	'060	'088	'172	"
88 Ab.	-	Do. -	"	'068	'097	'189	'231
89 A.	-	Bursaria spinosa, Car.	"	'083	'128	broke	"
89 B.	-	Do. -	"	'080	'135	"	"
90 A.	(Name in natural order.)	Pittosporaceae -	"	'068	'100	'143	broke
90 B.	-	-	"	'086	'121	'190s	"

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Fracture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	6,048	*295	Started at a flaw in specimen; fibrous fracture in centre.
*173s	broke	..	..	..	..	7,112	*234	Cleavage, and fibres slightly parted.
*214	7,112	*430	Cleavage, part through gum vein, and fibres slightly parted.
broke	6,720	*254	Cleavage at one end in shake, at the other end in gum vein, and fibres parted.
*164	broke	..	..	..	..	7,784	*294	Cleavage, and fibres slightly parted.
broke	5,992	*480	Good fibrous fracture.
..	5,544	*430	Do. do.
..	5,600	*310	Cleavage, and fibres parted slightly.
..	5,516	*450	Good fibrous fracture.
..	3,360	*284	Rather short fracture.
..	3,528	*350	Good fracture.
..	2,968	*300	Short fracture, and cleavage in a shake.
..	3,108	*240	Very short fracture, and cleavage in a shake.
..	3,360	*385	Long fracture; started at a knot.
..	3,584	*413	Fibrous fracture, and cleavage in a shake.
..	5,432	*379	Cleavage, and fibres parted slightly.
..	4,844	*316	Do. do.
..	4,368	*236	Cleavage, and fibres parted slightly; started in shake.
..	4,984	*382	Very slight cleavage.
..	4,956	*735	Part short and part fibrous fracture.
..	5,096	1'050	Good fracture; small fibres.
..	5,432	*820	Good fibrous fracture.
..	5,404	*890	Do. do.
..	4,480	*200	Very short and sudden fracture; symptoms of dry rot.
..	3,416	*160	Do. do.
..	5,320	*184	Very short fracture; large symptoms of dry rot.
..	3,920	*140	Very short fracture; dry rot.
..	2,352	*130	Very short fracture; symptoms of dry rot.
..	2,716	*140	Do. do.
..	4,032	*150	Rather short fracture; slight symptoms of dry rot.
..	3,360	*150	Short fracture; started at a shake.
..	4,424	*210	Short fracture; slight symptoms of dry rot.
..	4,760	*308	Very short fracture; symptoms of dry rot.
..	4,704	*260	Very short and sudden fracture; symptoms of dry rot.
..	4,872	*210	Do. do.
..	} No experiments.
..	2,240	*210	
..	1,904	*237	Very short fracture.
..	5,516	*300	Broke suddenly in two pieces: symptoms of dry rot in specimen.
..	5,152	*205	Broke short half through at one bearing, then split to centre.
..	5,096	*222	Very short fracture.
broke	5,902	*275	Broke short in two pieces.
..	4,124	*250	Very short fracture, symptoms of dry rot.
..	4,144	*275	Do. do.
..	5,040	*400	Tolerably good fracture.
..	5,376	*466	Tolerably good fracture and cleavage.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
QUEENSLAND.			" "				
91 A.	Crab Tree	Petalostigma quadrolocular, F. M.	2 by 2	'080	'111	'145	'201s
91 B.	Do.	Do.	"	'084	'116	broke	"
92 A.	(Name in natural order.)	Anacardiaceæ	"	broke	"	"	"
92 B.	"	"	"	'190	broke	"	"
92 Aa.	(Name in natural order.)	Anacardiaceæ	"	broke	"	"	"
92 Ab.	"	"	"	"	"	"	"
92 Ba.	"	"	"	"	"	"	"
92 Bb.	"	"	"	"	"	"	"
93 A.	(Name in natural order.)	Sterculiaceæ	"	'073	'112	'209	broke
93 B.	"	"	"	'094	'208s	broke	"
93 Aa.	(Name in natural order.)	Sterculiaceæ	"	'071	'118	'250	broke
93 Ab.	"	"	"	'098	'202	broke	"
94 A.	Silver Tree	Argyrodendron trifoliatum, F. M.	"	'071	'110	"	"
94 B.	Do.	Do.	"	'069	'104	"	"
95 A.	"	"	"	"	"	"	"
95 B.	"	"	"	"	"	"	"
97 A.	"	Sersalisia sericea, R. B.	2 by 2	'066	'092	'130	'200
97 B.	"	Do.	"	'066	'096	'132	'191
99 A.	Bean Tree	Castanospermum australe, R. B.	"	'150	broke	"	"
99 B.	Do.	Do.	"	'170	"	"	"
99 Aa.	Do.	Do.	"	'093	'155	broke	"
99 Ab.	Do.	Do.	"	'100	'208	"	"
100 Aa.	(Name in natural order.)	Ebenaceæ	"	'128	broke	"	"
100 Ab.	"	"	"	broke	"	"	"
102 A.	(Name in natural order.)	Ebenaceæ	"	"	"	"	"
102 B.	"	"	"	'236	broke	"	"
102 Aa.	(Name in natural order.)	Ebenaceæ	"	'130	"	"	"
102 Ab.	"	"	"	'182	"	"	"
104 A.	Found in the Bricklow Scrubs.	"	"	"	"	"	"
104 B.	Do.	"	"	'000	'002	'016	broke
104 Aa.	Do.	"	"	"	"	"	"
104 Ab.	Do.	"	"	"	"	"	'046
105 A.	Do.	Barkleya syringifolia, F. M.	"	'120	broke	"	"
105 B.	"	Do.	"	'113	"	"	"
105 Aa.	"	Do.	"	'108	"	"	"
105 Ab.	"	Do.	"	'103	"	"	"
106 A.	"	Gerjera salicifolia, F. M.	"	'070	'111	'187	broke
106 B.	"	Do.	"	'078	'117	'174	"
106 Aa.	"	Do.	"	'070	'098	'149	"
106 Ab.	"	Do.	"	'076	'114	'188	"
106 Ba.	"	Do.	"	'065	'097	'146	"
106 Bb.	"	Do.	"	'060	'091	'147	"
106 Cb.	"	Do.	"	'068	'097	'143	"
106 Ca.	"	Do.	"	'073	'104	'153	"
108 A.	"	Canthium lamprophyllum, F. M.	"	'056	'080	'111	'156
108 B.	"	Do.	"	'061	'085	'118	'168
108 Aa.	"	Do.	"	'068	'092	'129	'183
108 Ab.	"	Do.	"	'061	'088	'126	'191
109 A.	Olive Tree	Olea paniculata, R. B.	"	'055	'080	'109	'152
109 B.	Do.	Do.	"	'062	'084	'115	'165
109 Aa.	Do.	Do.	"	'053	'071	'098	'138
109 Ab.	Do.	Do.	"	'059	'080	'108	'148

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
broke	5,600	225	Short fracture; symptoms of dry rot.
..	4,200	276	Short fracture.
..	1,204	275	Do.
..	2,576	313	Fracture inclined to be short; not fibrous.
..	2,184	448	Rather good tough fracture.
..	2,165	234	Very short and sudden fracture.
..	1,456	184	Fracture inclined to be short.
..	1,792	185	Good fibrous fracture; slight symp-
..	4,816	310	toms of dry rot.
..	3,528	258	Rather short fracture.
..	4,536	320	Good fracture; symptoms of dry rot.
..	3,668	410	Do.
..	4,340	180	Cleavage; slight symptoms of dry rot in specimen.
..	4,424	174	Do.
..	No experiments.
broke	6,552	630	Small knot at point of fracture.
384	broke	..	..	..	..	6,860	660	Good fracture.
..	2,856	270	Specimen three quarters sap; symptoms of dry rot; long splinters.
..	2,240	225	Rather short fracture; dry rot.
..	3,836	263	Rather short fracture.
..	4,032	313	Short fracture.
..	2,576	170	Very short fracture; specimen very shaky; symptoms of dry rot.
..	2,128	112	Very short fracture; symptoms of dry rot.
..	2,240	180	Rather short fracture.
..	2,240	280	Short fracture.
..	2,856	330	Rather short fracture.
..	2,688	584	Good fracture.
..	Rather short for A. B.
..	5,432	414	Do.
..	Do.
broke	5,600	294	Do.
..	2,772	510	Do.
..	Short fracture; defective specimen, and had symptoms of dry rot.
..	3,360	268	Do.
..	3,248	174	Short and sudden fracture; symptoms of dry rot.
..	2,968	140	Very short and sudden fracture.
..	4,648	234	Good but not fibrous fracture; dry rot.
..	4,872	228	Rather short fracture.
..	4,480	150	Short fracture slight symptoms of dry rot.
..	4,648	220	Do.
..	5,152	210	Cleavage; symptoms of dry rot.
..	5,488	250	Good fracture; symptoms of dry rot.
..	5,600	225	Good fracture.
..	5,432	246	Good fracture, slight symptoms of dry rot.
259	broke	..	..	..	..	6,720	342	Good fibrous fracture.
274	6,860	370	Do.
broke	6,328	240	Fracture inclined to be short.
..	6,608	380	Cleavage.
..	7,280	418	Good fracture.
228s	broke	..	..	..	..	6,944	376	Do.
274	7,504	420	Good fibrous fracture.
220	7,000	390	Part fracture and part cleavage.
240	

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
QUEENSLAND.							
110 A.	- - - -	<i>Ixora Thozetiana</i> , F. M.	" " 2 by 2	'075	'106	broke	..
110 B.	- - - -	Do. - - -	"	'142	broke	..	..
110 Aa.	- - - -	Do. - - -	"	'072	"	..	..
110 Ab.	- - - -	Do. - - -	"	'082	'122	broke	..
111 A.	- - - -	<i>Notelaea longifolia</i> , R. B.	"	'062	'083	broke	..
111 B.	- - - -	Do. - - -	"	'056	'077	'113	broke
111 Aa.	- - - -	Do. - - -	"	'073	'106	'196	..
111 Ab.	- - - -	Do. - - -	"	'073	'107	'155	..
112 Aa.	(Name in natural order.)	Capparidaceae - - -	"	'080	broke	..	..
112 Ab.	- - - -	- - - -	"	'083	'146	broke	..
113 A.	Mangrove - - -	<i>Rhizophora Mangle</i> , W.	"	'088	'126	'196	broke
113 B.	Do. - - -	Do. - - -	"	'106	'169	broke	..
113 Aa.	Do. - - -	Do. - - -	"	'091	'129	'190	broke
113 Ab.	Do. - - -	Do. - - -	"	'082	'119	'188	..
114 A.	- - - -	<i>Celtis</i> sp. - - -	"	'140	broke	..	..
114 B.	- - - -	- - - -	"	'148	..	..	..
115 A.	- - - -	<i>Acacia</i> sp. - - -	"	'065	'092	'120	'159
115 B.	- - - -	- - - -	"	'064	'085	'107	'145
116 A.	- - - -	<i>Acacia</i> sp. - - -	"	'101	'196	broke	..
116 B.	- - - -	- - - -	"	'104	'234	- - -	- - -
117 A.	Rosewood - - -	<i>Acacia excelsa</i> , Benth.	"	'060	'080	'104	'138
117 B.	Do. - - -	Do. - - -	"	'058	'080	'104	'138
117 Aa.	Do. - - -	<i>Acacia excelsa</i> - - -	"	'078	'107	'148	'230
117 Ab.	Do. - - -	Do. - - -	"	'078	'110	'160	'253s
118 A.	- - - -	<i>Acacia sapindoides</i> , A. Cunn.	"	broke	..	..	..
118 B.	- - - -	Do. - - -	"	'074	'111	'194s	broke
118 Aa.	- - - -	Do. - - -	"	'096	'161	broke	..
118 Ab.	- - - -	Do. - - -	"	'046	'063	'079	'102
120 A.	- - - -	<i>Acacia</i> sp. - - -	"	'046	'063	'079	'102
120 B.	- - - -	- - - -	"	'048	'065	'085	'109
121 A.	Weeping Myall - - -	<i>Acacia pendula</i> , All. Cunn.	"	'052	'072	'094	'118s
121 B.	Do. - - -	Do. - - -	"	'050	'072	'093	'122
121 Aa.	Do. - - -	<i>Acacia pendula</i> - - -	"	'050	'068	'085	'103
121 Ab.	Do. - - -	Do. - - -	"	'049	'066	'085	'109
122 A.	Bricklow - - -	<i>Acacia Coxeni</i> , Leich.	"	'057	'075	'094	'113
122 B.	Do. - - -	Do. - - -	"	'074	'101	'136	'182
122 Aa.	Do. - - -	Do. - - -	"	'067	'090	'120	'157
122 Ab.	Do. - - -	Do. - - -	"	'061	'083	'110	'146
123 A.	- - - -	<i>Acacia</i> - - -	"	'071	'104	'144	'209
123 B.	- - - -	- - - -	"	'072	'103	'140	'250
RUSSIA.							
1 A.	Riga Fir - - -	- - - -	" " 2 by 2	broke	..	..	..
1 B.	Do. - - -	- - - -	"	'242	broke	..	..
1 C.	Do. - - -	- - - -	"	broke	..	..	..
1 D.	Do. - - -	- - - -	"	broke	..	..	..
2 A.	Larch - - -	- - - -	"	broke	..	..	..
3 A.	Do. - - -	- - - -	"	'226	broke	..	..
4 A.	Do. - - -	- - - -	"	'142	broke	..	..
4 B.	Do. - - -	- - - -	"	broke	..	..	..
5 A.	Do. - - -	- - - -	"	'220	broke	..	..
5 B.	Do. - - -	- - - -	"	broke	..	..	..
6 A.	Riga Oak - - -	- - - -	"	'168	broke	..	..
6 B.	Do. - - -	- - - -	"	'122	'307	broke	..
6 C.	Do. - - -	- - - -	"	'199	broke	..	..
6 D.	Do. - - -	- - - -	"	'193	broke	..	..
			"	'158	broke	..	..

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Fracture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	..	..	..	..	..	4,424	*165	Rather short fracture; symptoms of dry rot.
..	..	..	..	..	..	3,248	*226	Very short fracture; symptoms of dry rot.
..	..	..	..	..	..	3,192	*105	Short fracture; considerable symptoms of dry rot.
..	..	..	..	..	..	3,752	*150	Cleavage; considerable symptoms of dry rot.
..	..	..	..	..	..	4,480	*117	Tolerable fracture; symptoms of dry rot.
..	..	..	..	..	..	5,404	*166	Cleavage and very short fracture in centre; symptoms of dry rot.
..	..	..	..	..	..	4,648	*255	Cleavage only; symptoms of dry rot.
..	..	..	..	..	..	5,376	*268	Short fracture; symptoms of dry rot.
..	..	..	..	..	..	2,352	*083	Rather short fracture; symptoms of dry rot.
..	..	..	..	..	..	4,088	*264	Short and sudden fracture; symptoms of dry rot.
..	..	..	..	..	..	4,928	*390	Good fracture.
..	..	..	..	..	..	4,256	*470	Do.
..	..	..	..	..	..	5,040	*302	Fibres slightly parted, and cleavage in a shake.
..	..	..	..	..	..	5,040	*366	Good fracture.
..	..	..	..	..	..	2,240	*140	Short fracture; symptoms of dry rot.
..	..	..	..	..	..	2,688	*223	Do.
*230s	broke	..	..	..	..	7,616	*410	Cleavage, and fibres slightly parted.
*213	..	..	..	..	..	7,280	*355	Cleavage, and part fibrous fracture.
..	..	..	..	..	..	3,976	*355	Not a good fracture; rather short, diagonal grain.
*196	broke	..	..	..	..	3,724	*510	Good long fracture.
*204	..	..	..	..	..	7,616	*300	Cleavage.
broke	..	..	..	..	..	7,336	*360	Good fracture.
..	..	..	..	..	..	6,160	*450	Good fibrous fracture.
..	..	..	..	..	..	5,712	*370	Good fracture.
..	..	..	..	..	..	2,128	*150	Very short fracture; slight symptoms of dry rot.
..	..	..	..	..	..	1,848	*180	Do.
..	..	..	..	..	..	4,704	*360	Good fracture.
..	..	..	..	..	..	4,480	*356	Do.
*128	*164	*200	broke	..	..	9,548	*274	Cleavage at both ends; fibres slightly parted; specimen shaky.
*138	*177	broke	..	..	..	8,736	*259	Cleavage.
*220	broke	..	..	..	..	7,616	*375	Cleavage, and fibres parted; sap on outside.
*160	*212	broke	..	..	..	8,848	*420	Good fibrous fracture; sap on inside.
*128	*153	*203	broke	..	..	9,184	*272	Cleavage.
*138	*169	*219	..	..	..	9,604	*316	Long fracture.
*151	*206	*291s	..	..	..	9,240	*367	Cleavage, and fibres parted.
*245	*415s	broke	..	..	..	7,840	*505	Shaky specimen.
*213	broke	..	..	..	..	7,392	*512	Cleavage and fibres parted.
*200	*358s	broke	..	..	..	7,840	*425	Cleavage in shake; fibres parted.
broke	..	..	..	..	..	6,664	*609	Good fibrous fracture.
..	..	..	..	..	..	5,628	*540	Fibres parted, and cleavage.
..	..	..	..	..	..	2,128	*794	Good fracture.
..	..	..	..	..	..	2,240	*242	Fracture inclined to be short.
..	..	..	..	..	..	2,016	*274	Rather short and sudden fracture.
..	..	..	..	..	..	2,128	*760	Fracture in one long splinter.
..	..	..	..	..	..	2,520	*426	Rather short and sudden fracture.
..	..	..	..	..	..	2,912	*560	Good fibrous fracture.
..	..	..	..	..	..	1,792	*392	Very short fracture.
..	..	..	..	..	..	2,492	*415	Rather short fracture.
..	..	..	..	..	..	2,128	*418	Short and rather sudden fracture.
..	..	..	..	..	..	2,800	*520	Good fibrous fracture.
..	..	..	..	..	..	3,388	*352	Short and sudden fracture.
..	..	..	..	..	..	2,632	*325	..
..	..	..	..	..	..	2,576	*282	Short and sudden fracture.
..	..	..	..	..	..	2,884	*169	Do.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 6,600
TASMANIA.							
8 A.	Black Wood	-	2 by 2	'062	'086	'145	broke
8 B.	Do.	-	"	'065	'094	'149	"
8 C.	Do.	-	"	'078	'130	'271	"
8 D.	Do.	-	"	'057	'096	'210	"
8 Aa.	Do.	-	"	'061	'095	'180	"
8 Ab.	Do.	-	"	'069	'092	'136	"
8 Ba.	Do.	-	"	'100	broke	"	"
8 Bb.	Do.	-	"	'095	"	"	"
8 Bc.	Do.	-	"	'090	"	"	"
8 Ca.	Do.	-	"	'078	'116	'186	broke
8 Cb.	Do.	-	1½ by 2	'086	'124	'243	"
8 Cc.	Do.	-	2 by 2	'076	'116	'270	"
8 Cd.	Do.	-	"	'084	'125	'201	"
67 A.	Sassafras	-	2 by 1½	'161	broke	"	"
67 B.	Do.	-	"	'143	"	"	"
67 C.	Do.	-	1½ by 1½	'336	"	"	"
75 A.	Waddy Wood	Pittosporum	2 by 2	'090	'200	broke	"
75 B.	Do.	Do.	"	'075	'145	"	"
75 C.	Do.	Do.	"	'100	broke	"	"
75 Aa.	Do.	Do.	"	'075	'105	'190	broke
75 Ab.	Do.	Do.	"	'080	'100	'215	"
75 Ac.	Do.	Do.	"	'070	'102	'17	"
76 A.	Black Wattle	-	1½ by 1½	'110	broke	"	"
76 B.	Do.	-	2 by 2	'080	'185	broke	"
76 C.	Do.	-	"	'080	'295	"	"
76 D.	Do.	-	2 by 1½	'380	broke	"	"
85 A.	Peppermint	-	1½ by 2	'116	'193	broke	"
85 B.	Do.	-	1½ by 1½	'112	'172	"	"
85 C.	Do.	-	2 by 1½	'091	'135	'254	broke
93 A.	Myrtle	-	1½ by 2	'128	broke	"	"
93 B.	Do.	-	1½ by 1½	'092	'310	broke	"
93 C.	Do.	-	2 by 2	'104	'335	"	"
93 D.	Do.	-	1½ by 2	'095	'217	"	"
97 A.	White Gum	-	2 by 2	'136	broke	"	"
97 B.	Do.	-	"	'097	'239	broke	"
97 C.	Do.	-	"	'197	broke	"	"
97 D.	Do.	-	1½ by 2	'131	"	"	"
102 A.	Silver Wattle	-	2 by 1½	'177	"	"	"
102 B.	Do.	-	"	'07	'134	'252	broke
102 C.	Do.	-	1½ by 1½	'172	broke	"	"
102 D.	Do.	-	2 by 1½	'159	"	"	"
116 A.	Blue Gum	-	2 by 2	'080	'140	broke	"
116 B.	Do.	-	"	'070	'210	"	"
116 C.	Do.	-	"	'095	'190	"	"
116 D.	Do.	-	"	'090	'160	"	"
363 A.	Gum Topped	-	2 by 1½	'112	'207	"	"
363 B.	Stringy Bark or White Gum	-	"	'057	'084	'124	'229
363 C.	Do.	-	"	'06	'088	'141	'328
363 D.	Do.	-	2 by 1½	'082	'158	'291	broke
364 A.	Peppermint	-	2 by 1½	'142	broke	"	"
364 B.	Do.	-	2 by 1½	broke	"	"	"
367 A.	Iron Wood	-	2 by 2	'080	'110	'150	'240
367 B.	Do.	-	"	'065	'095	'130	'200
367 C.	Do.	-	"	'070	'100	'145	'215
367 D.	Do.	-	"	'055	'080	'117	'185
369 A.	Tea Tree	-	1½ by 1½	'089	'247	broke	"
369 B.	Do.	-	2 by 1½	'075	'144	"	"
369 C.	Do.	-	1½ by 1½	'090	'158	"	"
369 D.	Do.	-	1½ by 1½	'097	'252	"	"
371 A.	Stringy Bark	-	2 by 2	'045	'065	'100	'160
371 B.	Do.	-	"	'055	'080	'110	broke
371 C.	Do.	-	"	'060	'090	'125	'220
371 D.	Do.	-	"	'055	'077	'110	'275

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	5,348	'370	Good fracture.
..	5,264	'340	Do.
..	4,872	'500	Do.
..	4,844	'316	Good fracture; inclined to be short.
..	5,404	'405	Good fracture.
..	5,320	'276	Do.
..	3,220	..	Do.
..	3,304	..	Long, good fracture.
..	2,716	..	Tolerable fracture; inclined to be short.
..	5,096	'470	Good fracture.
..	4,872	'595	Do.
..	4,536	'585	Do.
..	5,096	'595	Do.
..	2,800	'318	Do.
..	3,061	'3	Fracture quite short and sudden; re- port.
..	2,427	'295	Long, sudden, diagonal fracture; not fibrous; with report.
..	3,780	..	Rather short fracture.
..	4,312	..	Good fracture.
..	3,136	..	Tolerably good fracture.
..	5,376	..	Good fibrous fracture.
..	5,376	..	Tolerably good fracture.
..	5,124	..	Tolerable fracture.
..	3,164	..	Cleavage.
..	3,976	..	Long, good fibrous fracture.
..	3,500	..	Do.
..	2,660	'200	Very good fibrous fracture.
..	3,948	'405	Good fracture; not dry.
..	4,032	'320	Good fracture.
..	4,592	'365	Good fracture, inclined to be short.
..	2,632	'190	Quite short fracture.
..	3,640	'535	Good fracture.
..	3,534	'730	Very good fracture.
..	3,892	'450	Rather short fracture.
..	3,024	'439	Good fracture.
..	3,528	'315	Long fracture.
..	2,464	'475	Good fracture, but not very fibrous.
..	3,136	'365	Good fracture, rather long, but not very fibrous.
..	2,688	'325	Rather short and sudden fracture; report.
..	4,704	..	Sudden and rather short fracture; with report.
..	2,436	'185	Do. do. do.
..	2,632	..	Do. do. do.
..	4,312	..	Tolerable fracture.
..	3,528	..	Tolerably good fracture.
..	4,144	..	Do. do.
..	4,368	..	Do. do.
broke	4,480	'547	Fibres parted slighted; cleavage.
..	6,608	'650	Very good fracture; fibres parted in succession.
..	5,936	'4	Cleavage only.
..	5,376	'65	Very good fibrous fracture.
..	3,024	'23	Rather short and sudden fracture.
..	1,232	'21	Do. do. do.
broke	5,824	..	Tolerable fracture.
..	6,048	..	Do.
..	5,964	..	Do.
..	6,104	..	Short fracture.
..	3,472	'382	Rather short fracture; fibres not broken all across.
..	4,088	'318	Good fracture.
..	3,584	'451	Short fracture.
..	3,640	'404	Fracture part good and part short.
broke	6,020	..	Clean.
..	5,544	..	Very good fibrous fracture.
broke	6,160	..	Do. do.
..	5,936	..	Do. do.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection				
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600	
TASMANIA.				" "				
372 A.	Blue Gum		2 by 2	'047	'082	'100	'130	
372 B.	Do.		"	'045	'075	'100	'140	
372 C.	Do.		"	'060	'085	'130	'255	
372 D.	Do.		"	'050	'075	'110	'195	
373 A.	Stringy Bark		"	'050	'077	'140	broke	
373 B.	Do.		"	'070	'100	'160	"	
373 C.	Do.		"	'070	"	broke	"	
373 D.	Do.		"	'060	'085	'130	'240	
373 Ad.	Do.		"	'067	'100	'155	broke	
373 Ab.	Do.		"	'080	'110	'225	"	
373 Ac.	Do.		"	'080	'140	broke	"	
373 Ad.	Do.		"	'070	'110	"	"	
373 Ca.	Do.		"	'058	'078	'102	'138	
373 Cb.	Do.		"	'066	'103	'166	broke	
373 Cc.	Do.		"	'074	'104	'141	'230	
374 A.	Blue Gum		1½ by 1½	'094	'171	broke	"	
374 B.	Do.		1½ by 1½	'102	'191	"	"	
374 C.	Do.		"	'106	'166	"	"	
374 D.	Do.		"	'100	'215	"	"	
556 A.	Do.		2 by 2	'05	'069	'091	'132	
556 B.	Do.		"	'04	'058	'088	'143	
556 C.	Do.		"	'056	'082	'118	'166	
558 A.	Do.		"	'070	'090	'130	'235	
558 B.	Do.		"	'050	'080	'117	'175	
558 C.	Do.		"	'058	'084	'115	'162	
577 A.	Do.		"	'090	broke	"	"	
577 B.	Do.		"	'080	'185	broke	"	
577 C.	Do.		"	'087	'145	"	"	
577 D.	Do.		"	'060	'097	'140	"	
TRINIDAD.								
155 A.	Tapana		2 by 2	'078	'129	'282	broke	
155 B.	Do.		"	'095	'166	broke	"	
155 C.	Do.		"	'074	'112	'147	broke	
155 D.	Do.		1½ by 2	'073	'128	'201	"	
158 A.	Garlick Pear	Crataeva gynandra, L.	2 by 1½	'163	broke	"	"	
158 B.	Do.	Do.	1½ by 2	'150	"	"	"	
158 C.	Do.	Do.	2 by 2	'230	"	"	"	
158 D.	Do.	Do.	"	'242	"	"	"	
162 A.	Mahoe	Sterculia Caribea	"	'125	"	"	"	
162 B.	Do.	Do.	"	broke	"	"	"	
163 A.	"	Thespesia populnea, Corr.	"	'114	'190	broke	"	
166 A.	Soapnut Tree	Sapindus saponaria, L.	"	'084	'147	"	"	
166 B.	Do.	Do.	"	'083	'139	"	"	
166 C.	Do.	Do.	1½ by 1½	'100	broke	"	"	
167 A.	Cacapoule	"	2 by 2	'118	"	"	"	
167 B.	Do.	"	"	'135	"	"	"	
167 C.	Do.	"	"	'112	"	"	"	
168 A.	Surette	Byrsonima spicata, Rich.	"	'060	'082	'141	broke	
168 B.	Do.	"	"	'078	'140	broke	"	
168 C.	Do.	"	"	'087	'167	"	"	
168 D.	Do.	"	"	'072	'111	'202	broke	
169 A.	Paraman	Moronobea coccinea, Aubl.	"	'098	'191	broke	"	
169 B.	Do.	Do.	"	'121	'2518	"	"	
169 C.	Do.	Do.	"	'082	'138	"	"	
169 D.	Do.	Do.	"	'122	broke	"	"	
171 A.	Galba	Calophyllum calaba, Jacq.	1½ by 1½	'096	'192	broke	"	
171 B.	Do.	Do.	2 by 2	'078	'111	'174	broke	
171 C.	Do.	Do.	1½ by 1½	'117	'213	broke	"	

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.			
6,720	7,840	8,960	10,080	11,200	12,320			
250	broke	..	..	..	..	7,280	..	Cleavage.
broke	6,608	..	Good fracture.
..	5,824	..	Tolerably good fracture.
..	6,160	..	Part fracture and part cleavage.
..	5,376	..	Good fracture.
..	5,068	..	Do.
broke	4,284	..	Do.
..	5,824	..	Do.
..	5,152	..	Tolerable fracture.
..	4,620	..	Rather short fracture.
..	3,948	..	..
..	4,368	..	Cleavage.
198	broke	..	..	..	..	7,168	264	Short fracture.
broke	4,732	212	Cleavage.
..	5,600	252	Sudden fracture.
..	4,172	516	Tough fracture; not dry.
..	3,976	501	Good fracture.
..	4,144	520	Do.
188	broke	..	..	..	..	3,808	505	Do.
..	7,504	302	Tolerably good fracture; shakes in specimen.
217	7,280	284	Shakes in specimen; cleavage only across shakes.
broke	6,412	278	Shakes in specimen; fibres parted slightly, and cleavage in shake.
..	5,973	..	Good fracture.
..	6,440	..	Do.
246	broke	..	..	..	..	7,112	366	Cleavage.
..	3,285	..	Tolerable fracture; shaky.
..	3,360	..	Do. do.
..	3,696	..	Do. do.
..	4,760	..	Do. do.
..	4,508	425	Tolerably good fracture.
..	3,976	405	Good fracture.
..	5,152	198	Good fracture, but not very fibrous.
..	4,760	234	Diagonal fracture, not fibrous.
..	2,744	260	Short fracture.
..	2,613	285	Tolerably good fracture started at a cut.
..	2,427	330	Sudden, short fracture.
..	2,436	376	Tolerably good fracture, not fibrous.
..	2,240	125	Tolerably good fracture; full of small worm holes.
..	1,344	122	Rather short fracture; brittle; worm hole.
..	3,976	265	Knarled and knotty; fracture not fibrous, and went suddenly at the end.
..	3,584	165	Short fracture; symptoms of dry rot.
..	4,480	304	Do. do.
..	3,360	189	Do. do.
..	2,996	260	Fracture quite short and sudden; symptoms of dry rot.
..	3,024	260	Do. do.
..	3,276	188	Fracture part shot and part splintered; symptoms of dry rot.
..	4,984	196	Short fracture.
..	4,256	292	Rather short fracture.
..	4,060	291	Short and sudden fracture.
..	4,480	250	Do. do.
..	3,892	445	Good fracture.
..	3,416	425	Long fracture.
..	4,228	380	Diagonal cleavage.
..	2,464	258	Good fracture, but not fibrous.
..	3,472	390	Long fracture; slightly worm-eaten.
..	5,264	344	Long, good fracture.
..	4,116	700	Good fibrous fracture and cleavage.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
TRINIDAD.			" "	'088s	broke	..	..
171 D.	Galba	-	-	'071	'109	'179	broke
180 B.	Crabtree	Caprapa guianensis, Aubl.	2 by 2	'073	'124	'228	"
180 C.	Do.	Do.	1½ by 2	'075	'115	'182	"
180 D.	Do.	Do.	2 by 2	'080	'103	'154s	broke
185 A.	Noyer	Terebinthaceæ*	-	'073	'100	'136	'186
185 B.	Do.	Do.	-	'073	'099	'132	'192
185 C.	Do.	-	-	'080	'110	'146	'196
185 D.	Do.	-	-	'192	broke	..	..
186 A.	Mango	Mangifera indica, L.	-	broke	..	..	..
186 B.	Do.	Do.	-	'084	'150s	broke	..
187 A.	Gommier	Terebinthaceæ*	-	'103	'170	..	..
187 B.	Do.	Do.	-	"	"	"	"
187 C.	Do.	-	1½ by 1½	'101	'265s	..	..
187 D.	Do.	-	"	'137	broke	..	..
196 A.	Beef Wood	Rhopalamontana, Aubl.	2 by 2	'074	'104	'154	broke
196 B.	Do.	-	"	'066	'096	'152	"
198 A.	Laurel	-	-	'136	broke	..	..
198 B.	Do.	-	-	'090	'194	broke	..
198 C.	Do.	-	-	'097	'224	..	..
198 D.	Do.	-	1½ by 1½	'160	broke	..	..
200 A.	Laurier Canelle	-	2 by 2	'076	'097	'159	broke
200 B.	Do.	-	-	'065	'084	'113	'185
200 C.	Do.	-	-	'072	'103	'166	broke
200 D.	Do.	-	-	'071	'099	'146	'332
201 A.	Laurier blanc	-	-	'184	broke	..	..
201 B.	Do.	-	1½ by 1½	'126	..	..	..
201 C.	Do.	Moronobea coccinea, Aubl.	2 by 2	'094	'169	broke	..
201 D.	Do.	-	"	'095	'159	..	..
201 Aa.	Do.	-	"	'088	'190	..	..
201 Ab.	Do.	-	"	'085	'201	..	..
201 Ac.	Do.	-	"	'075	'121	'216	broke
201 Ad.	Do.	-	1½ by 2	'102	'193s	broke	..
205 A.	Canturo	Parinarium campestre, Aubl.	2 by 2	'084s	'130	..	..
205 B.	Do.	Do.	-	'100	'153	..	..
205 C.	Do.	Do.	2 by 1½	'084	'135	'225s	broke
205 D.	Do.	Do.	2 by 2	'080	'122s	'211	"
206 A.	Bois de Fer	-	-	'114	'221	broke	..
206 B.	Do.	-	-	'084	'128	'207	broke
206 C.	Do.	Moquilea species	1½ by 1½	'128	broke	..	..
206 D.	Do.	-	-	'108	'296	broke	..
207 A.	Cauto	-	2 by 2	'072	'102	'155	broke
207 B.	Do.	-	-	'073	'109	'180	"
207 C.	Do.	-	-	'098	'170s	broke	..
207 D.	Do.	-	-	'107	broke	..	..
208 A.	Do.	-	-	'075	'112	broke	..
208 B.	Do.	-	-	'072	'117s	broke	..
208 C.	Do.	-	-	'100	'165s	..	..
208 D.	Do.	-	-	'066	'106	'192	broke
212 A.	Balsam Capivi	Copaifera officinalis, L.	"	'141	'245	broke	..
213 B.	Do.	Do.	"	'141	'264	..	..
214 A.	Savonette Jaune	Lonchocarpus latifolius, Kth.	1½ by 1½	'064	'085	'117	'194
214 B.	Do.	-	-	'070	'099	'140	'208
214 C.	Do.	-	-	'065	'089	'125	'184
214 D.	Do.	-	-	'058	'080	'107	'157
216 A.	Purple Heart	-	-	"	"	"	"
217 A.	Locust	Hymenaea Courbaril, L.	2 by 2	'060	'086	'113	'153
217 B.	Do.	Do.	-	'062	'082	'105	'148

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	3,360	*172	Good fracture; symptoms of dry rot, and worm-eaten.
..	5,124	*285	Slight fracture.
..	5,040	*437	Good fibrous fracture; shaky.
..	5,404	*385	Good fibrous fracture.
..	5,068	*546	Rather long fracture.
*3438	broke	..	..	..	..	7,000	*565	Long, good fracture.
*392	6,832	*490	Good fibrous fracture and cleavage.
broke	6,328	*366	Peculiar long diagonal fracture.
..	2,408	*322	Rather short fracture.
..	2,016	*204	Very diagonal grain; short fracture.
..	3,696	*244	Short fracture; symptoms of dry rot.
..	4,032	*331	Rather short fracture; symptoms of dry rot.
..	3,360	*280	Tolerably good fracture; symptoms of dry rot.
..	2,828	*258	Fracture inclined to be short; symp- toms of dry rot, and slightly worm- eaten.
..	5,264	*242	Good fracture.
..	5,320	*408	Do.
..	3,248	*405	Rather short fracture.
..	3,808	*398	Short fracture.
..	3,696	*542	Short and sudden fracture.
..	3,024	*380	Long diagonal fracture.
broke	5,572	*560	Good fibrous fracture.
..	6,272	*489	Good fracture and cleavage.
broke	5,488	*620	Good fibrous fracture.
..	5,852	*540	Good fibrous fracture and cleavage.
..	2,688	*346	Tolerably good fracture; shaky; symp- toms of dry rot.
..	3,024	*340	Rather short and sudden fracture; slight symptoms of dry rot.
..	4,452	*580	Good fracture.
..	4,340	*472	Do.
..	4,144	*818	Good fibrous fracture.
..	4,088	*564	Rather short fracture.
..	4,928	*449	Good fibrous fracture.
..	4,069	*607	Good fracture.
..	3,612	*165	Tolerably good fracture; inclined to be short.
..	3,659	*180	Tolerably good fracture.
..	4,480	*275	Good fracture.
..	4,629	*240	Not a good fracture; inclined to be short.
..	3,920	*352	Quite short, fracture broke suddenly.
..	4,928	*322	Long fracture.
..	2,996	*326	Rather good fracture.
..	3,948	*324	Cleavage.
..	5,040	*225	Tolerable fracture; inclined to be short.
..	4,592	*199	Short fracture.
..	3,556	*220	Cleavage; started at a worm-hole.
..	3,192	*230	Broke at worm-holes.
..	3,892	*150	Cleavage; shakes; slight symptoms of dry rot.
..	4,452	*250	Fracture short and sudden; symptoms of dry rot.
..	3,472	*184	Cleavage in a shake; symptoms of dry rot.
..	5,264	*290	Quite short all but onesplinter; shaky.
..	4,144	*140	Good fracture, tough.
broke	3,584	*435	Tolerably good fracture.
..	6,496	*314	Cleavage.
*3288	broke	..	..	..	..	6,048	*316	Cleavage; fibres slightly parted.
*273	7,168	*1032	Good fibrous fracture, tough.
..	7,140	*355	Cleavage.
*203	-	-	No experiment.
*212	7,280	*284	Good fracture.
..	7,056	*240	Rather good fracture.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
TRINIDAD.							
218 A.	Naraujillo Amarillo	Swartzia grandiflora, L.	2 by 2	'066	'084	'113	'168
218 B.	-	Do.	"	'058	'079	'105	'164
218 C.	-	Do.	"	'069	'090	'124	broke
218 D.	-	Do.	"	'068	'090	'124	'205
219 A.	Tamarind	Tamarindus indica, L.	"	'127	'178	broke	"
219 B.	Do.	Do.	"	'140	'224	"	"
219 C.	Do.	Do.	"	'105	'143	"	"
219 D.	Do.	Do.	"	'116	'176	"	"
220 A.	Casse	Cassia Trinitatis, Rich.	"	'100	'140	'217s	broke
220 B.	Do.	Do.	"	'082	'113	'145	'198
221 A.	Guatamare	Myrospermum frutescens, Jacq.	"	'055	'072	'090	'110
221 B.	Do.	Do.	"	'065	'085	'106	'127
222 A.	Bois Mulatre	Pentaclethra filamentosa, Kth.	"	'068	'107	'206	broke
222 B.	Do.	Do.	1½ by 1½	'073	'122	'272	"
222 C.	Do.	Do.	2 by 2	'089	'139	broke	"
222 D.	Do.	Do.	"	'069	'103	'171	broke
226 A.	Angelin	Audira inermis, Kth.	"	'091	'122	'167	'246
226 B.	Do.	Do.	"	'089	'124	'176	broke
226 C.	Do.	Audira inermis, Kth.	"	'002	'002	'068	'094
226 D.	Do.	Do.	"	'002	'002	'066	'092
227 A.	Do.	Do.	"	'130	broke	"	"
227 B.	Do.	Do.	"	'147	"	"	"
237 A.	Sapodilla, Sapotillier	Sapta Achras, Mill.	"	'066	'095	'136	'197
237 B.	Do.	Do.	"	'097	'141	'201s	broke
243 A.	Acoma or Mastic	Sideroxylum mastichodendrum, Linn.	"	'064	'082	'107	'147
243 B.	Do.	Do.	"	'064	'088	'115	'160
248 A.	Cypre	Cordia Gerascanthus, Jacq.	"	'115	'260	broke	"
248 B.	Do.	Do.	"	'119	'203	"	"
248 C.	Do.	Do.	"	'115	broke	"	"
248 D.	Do.	Do.	"	'128	"	"	"
257 A.	Poui	Tecoma serratifolia, Don.	"	"	"	"	"
257 B.	Do.	Do.	"	'050	'066	'081	'099
257 C.	Do.	Do.	"	'046	'059	'077	'093
260 A.	Almond Tree	Terminalia catappa, L.	"	'131	'264	broke	"
260 B.	Do.	Do.	"	'166	broke	"	"
262 A.	Olivier	Chuncoa obovata, Poir.	"	'072	'101	'143	broke
262 B.	Do.	Do.	"	'070	'100	'139	"
262 C.	Do.	Do.	"	'075	'114	'155	'254
262 D.	Do.	Do.	"	'066	'089	'134	broke
265 A.	Red Mangrove	Rhizophora Mangle, L.	1½ by 1½	'065	'091	'119	'190
265 B.	Do.	Do.	2 by 2	'057	'080	'110	'159
270 A.	Wild Guava	Do.	"	'090	'135	'225	broke
270 B.	Do.	Do.	"	'080	'126	'197	"
270 Ad.	Do.	Do.	"	'067	'097	'152	"
270 Ab.	Do.	Do.	"	'069	'104	'176	"
270 Ac.	Do.	Do.	"	'076	'127	'226	"
270 Ad.	Do.	Do.	"	'070	'100	'144	"
276 A.	Guatcare	Leeythis adatomon, Aubl.	"	'059	'083	'108	"
276 B.	Do.	Do.	"	'058	'078	'095	'125
280 A.	Genipa	Do.	"	'106	'158	'270	'660s
280 B.	Do.	Genipa Carute, H.B.	"	'100	'162	'254	broke
280 C.	Do.	Do.	"	'119	'191	'348	"
280 D.	Do.	Do.	"	'094	'151	'276	"

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Frac- ture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
broke	6,524	'314	Good fracture, broke suddenly.
..	5,600	'180	Short sudden fracture, worm-eaten ; symptoms of dry rot.
broke	5,264	'184	Do. do.
..	5,908	'255	Do. do.
..	4,060	'234	Very short and sudden fracture.
..	4,340	'470	Short fracture; half a.
..	4,452	'213	Very short sudden fracture.
..	4,284	'272	Do. do.
broke	4,648	'412	Diagonal fracture.
'137	'175	'225	broke	..	..	6,076	'586	Good tough fibrous fracture.
..	10,080	'330	Good fracture.
'157	'200	'314	..	..	..	9,072	'432	Do.
..	5,012	'470	Good fibrous fracture; tough.
..	4,592	'411	Long, good fracture.
..	4,424	'256	Fibres slightly parted, and cleavage.
broke	5,006	'554	Good fibrous fracture.
..	5,936	'300	Short and sudden fracture at a knot.
'127	'176s	'266	broke	..	..	5,264	'232	Short and sudden fracture.
..	6,972	'310	Long, good fracture, and a little cleavage; not cut straight.
'128s	'193	broke	..	..	..	6,421	'420	Do. do.
..	3,136	'406	Good fracture. A little worm-eaten.
..	3,024	'410	Long fracture.
'396s	broke	..	..	..	..	7,028	'950	Excellent fracture. Specimen worm- eaten.
..	5,180	'310	Good fracture, but inclined to be short ; worm-eaten.
broke	6,664	'324	Good fracture; quite wet.
..	6,636	'379	Do. do.
..	3,584	'385	Good fracture.
..	4,032	'408	Short and sudden fracture.
..	3,332	'251	Do. do.
..	3,192	'370	Do. do.
..	-	-	No experiment.
'119	'141	'165	broke	..	..	9,912	'221	Cleavage.
'113	'138	'167	'226	broke	..	10,108	'250	Do.
..	3,360	'264	Tolerably good fracture.
..	2,576	'420	Tolerably good fracture; inclined to be short.
..	5,264	'205	Rather short fracture.
broke	5,152	'195	Short and sudden fracture.
..	5,600	'260	Cleavage.
broke	5,600	'225	Short and sudden fracture.
..	6,076	'320	Fibres parted, and cleavage.
..	6,608	'301	Good fracture, and cleavage.
..	5,264	'622	Good fibrous fracture.
..	4,648	'265	Rather long fracture.
..	5,563	'315	Cleavage and slight fracture, inclined to be short; slight symptoms of dry rot; shaky.
..	4,704	'190	Fracture short and sudden; shaky ; and symptoms of dry rot.
..	4,732	'280	Quite a short fracture and sudden.
..	4,965	'170	Short fracture.
..	5,544	'165	Cleavage; fibres slightly parted; worm- eaten a little.
'184	broke	..	..	..	..	7,840	'296	Good sudden fracture, part fibres and part cleavage; worm-eaten a little.
broke	5,992	1'240	Exceedingly tough. Fine fibrous fracture.
..	5,516	'990	Tough. Fibrous fracture.
..	5,432	1'115	Exceedingly tough. Good fibrous fracture, and cleavage.
..	5,264	'542	Cleavage through heart.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
VICTORIA.			" "				
1 A.	Peppermint Tree	- - - -	2 by 2	'076	'11	'143	broke
1 B.	Do.	- - - -	"	'082	'116	'168	"
1 C.	Do.	Eucalyptus odorata, Schl.	"	'086	'126	broke	"
1 D.	Do.	Do.	"	'074	'104	'152	broke
2 A.	Grey Box Tree	Eucalyptus dealbata, Cunn	2 by 1½	'082	'123	'186	"
2 B.	Do.	Do.	2 by 2	'077	'118	'189	'500
2 C.	Do.	Do.	"	'086	'148	'312	broke
2 D.	Do.	Do.	"	'082	'120	'198	"
2 Aa.	Do.	Do.	"	'111	'168	'319s	"
2 Ab.	Do.	Do.	"	'094	'137	broke	"
2 Ac.	Do.	Do.	2 by 1½	'114	'165	"	"
2 Ad.	Do.	Do.	"	'084	'121	'228	broke
3 A.	Coast Tea Tree	Melaleuca curvifolia, Schl.	1½ by 1½	'083	'121	'204	"
3 B.	Do.	Do.	"	'120	'170	broke	"
4 A.	-	-	-	"	"	"	"
5 Aa.	Mint Tree	-	-	"	"	"	"
5 Ab.	Do.	-	-	"	"	"	"
5 Ac.	Do.	-	-	"	"	"	"
6 A.	-	Eucalyptus	2 by 2	'097	'117	'201	broke
6 B.	-	Do.	"	'107	'192	broke	"
6 C.	-	Do.	"	'081	'136	'226	'570s
7 A.	-	-	"	'132	'215	'440	broke
7 B.	-	-	"	'118	'206	broke	"
7 C.	-	-	"	'146	'270	"	"
8 A.	-	-	"	'082	'114	'166	'301
8 B.	-	-	2 by 1½	'079	'118	'210	broke
8 C.	-	-	2 by 2	'071	'102	'161	290
8 D.	-	-	2 by 1½	'083	'130	'206	broke
9 A.	-	-	2 by 2	'074	'104	'178	"
9 B.	-	-	2 by 1½	'096	'140	'245	"
9 C.	-	-	2 by 2	'220	broke	"	"
10 A.	Woolly Butt	Eucalyptus Woollsii, F.M.	"	'110	'151	'232	broke
10 B.	Do.	Do.	"	'084	'121	'188	"
10 C.	Do.	Do.	"	'107	'156	'226	"
10 D.	Do.	Do.	"	'099	'138	'204s	"
10	Do.	Do.	"	'086	'127	'171	"
10	Do.	Do.	"	'094	'143	broke	"
10	Do.	Do.	"	'096	'165	"	"
11 A.	Broad-leaved Box Tree.	Eucalyptus acmenoides, Schl.	"	'094	'150	"	"
11 B.	-	-	"	'113	broke	"	"
11 C.	-	-	"	broke	"	"	"
11 D.	Broad-leaved Box Tree.	Eucalyptus acmenoides, Schl.	"	'119	broke	"	"
12 A.	Honeysuckle	Banksia australis, Br.	"	broke	"	"	"
12 B.	Do.	Do.	"	"	"	"	"
12 C.	Do.	Do.	"	"	"	"	"
12 D.	Do.	Do.	"	"	"	"	"
13 Aa.	Coast Tea Tree	-	"	"	"	"	"
13 Ab.	Do.	-	"	"	"	"	"
14 A.	-	-	"	'123	'191	broke	"
14 B.	-	-	"	'088	'154	"	"
14 A.	Gully Tree Fern	Eucalyptus Sieber. acervula,	"	'090	'125	'162	broke
14 B.	Do.	Do.	"	'098	'153	'234	"
14 C.	Do.	Do.	"	'093	'135	'190	"
14 D.	Do.	Do.	"	'098	'149s	broke	"
14 Aa.	Do.	Do.	"	'127	'208	"	"
14 Ab.	Do.	Do.	"	'168	broke	"	"
14 Ac.	Do.	Do.	"	'194	"	"	"
14 Ad.	Do.	Do.	"	'141	"	"	"
15 A.	Musk Tree	Eurybia argophylla, Cass.	"	'128	'302	broke	"

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Fracture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	5,376	·250	Good fracture and cleavage; not very fibrous.
..	5,376	·380	Good fracture.
..	4,368	·260	Cleavage both ends in gum vein; fibres started.
..	5,320	·180	Started at a knot; long fracture in gum vein.
broke	5,320	·820	Good tough fibrous fracture.
..	5,712	·738	Do. do.
..	5,096	·594	Rather long good tough fracture.
..	5,488	·845	Do. do.
..	4,536	·430	Good fracture.
..	4,200	·237	Not a very good fracture.
..	4,368	·340	Good fracture.
..	4,872	·332	Do.
..	5,012	·436	Good long fracture, but not very fibrous, and cleavage.
..	4,144	·260	Long fracture; not fibrous.
..	No experiment.
..	} No experiments.
..	
..	5,180	·442	Not a very good fracture; inclined to be short.
broke	4,144	·459	Good fracture; not very fibrous.
..	5,376	·870	Good tough fibrous fracture.
..	4,620	·541	Rather short fracture; did not seem to be affected by shakes.
..	4,032	·630	Quite short fracture.
broke	3,612	·330	Very short fracture.
..	5,628	·430	Good fracture.
broke	5,264	·583	Good fibrous fracture.
..	6,496	·480	Fracture inclined to be short; specimen defective in centre.
..	5,264	·360	Fracture rather short, but fibrous.
..	5,572	·636	Good fracture.
..	5,488	·826	Good tough fibrous fracture.
..	2,744	·920	Cleavage, and fibres slightly parted.
..	4,928	·415	Good fibrous fracture; heart shaken.
..	5,180	·368	Good fracture.
..	4,816	·336	Do.
..	4,676	·295	Do.
..	5,600	·260	Sudden long fracture.
..	3,416	·175	Short and sudden fracture.
..	3,640	·200	Cleavage.
..	4,144	·320	Sudden and short fracture; specimen had dry rot.
..	3,080	·190	Do. do.
..	2,072	·224	Do. do.
..	2,856	·170	Short fracture; specimen had dry rot.
..	1,120	·220	Short and sudden fracture.
..	340	·230	Very short fracture.
..	672	·360	Very short and sudden fracture.
..	672	·280	Very short fracture.
..	No experiment.
..	Do.
..	4,256	·480	Good fibrous fracture.
..	4,368	·330	Good fracture; large shakes in this specimen, but did not seem to have had any bad effect.
..	5,684	·375	Long fracture.
..	5,012	·345	Good fracture.
..	5,516	·278	Long fracture.
..	3,920	·200	Long diagonal fracture.
..	3,528	·636	Good fibrous fracture.
..	2,912	·338	Long fracture; not fibrous.
..	2,744	·726	Long fracture.
..	2,940	·337	Cleavage.
..	3,528	·456	Good fibrous fracture.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
VICTORIA.							
15 B.	Musk Tree	Eurybia, argophylla, Cass.	" "	"146	"294	broke	..
15 C.	Do.	Do.	"	"182	broke	..	..
16 A.	Desert Cypress Pine	Callitris verrucosa, Br.	"	"156s	"	"	"
16 B.	Do.	Do.	"	"162	"	"	"
16 C.	Do.	Do.	"	"195	"	"	"
16 D.	Do.	Do.	"	"138	"234	broke	..
22 A.	Iron Bark Tree	Eucalyptus sideroxylon, Cunn.	"	"073	"097	"128	"190
22 B.	"	"	2 by 1½	"082	"110	"145	"226s
22 C.	"	"	2 by 2	"080	"109	"145	"193
22 D.	"	"	"	"071	"097	"130	"234
28 A.	"	"	2 by 1½	"071	"096	"129	"182
28 B.	"	"	"	"068	"100	"138	"200
28 C.	"	"	"	"062	"094	"128	"168
28 D.	"	"	2 by 2	"076	"103	"136	"194
28 A.	"	"	"	"070	"096	"134	broke
28 B.	"	"	2 by 1½	"067	"088	"130	"217
28 C.	"	"	"	"089	"133	broke	..
29 A.	"	"	"	"082	"115	"169	"267s
29 B.	"	"	2 by 2	"081	"115	"164	broke
29 C.	"	"	"	"103	"148s	broke	..
29 D.	"	"	"	"097	"138	"198	broke
29 Aa.	"	"	"	"082	"133	broke	..
29 Ab.	"	"	"	"073	"112	"179	broke
29 Ac.	"	"	"	"082	"122	"183	"
29 Ad.	"	"	"	"099	"146	broke	"
29 A.	"	"	"	"089	"128	"192	broke
29 B.	"	"	"	"085	"125	"179	"
31 A.	"	"	"	"147	broke	..	..
31 B.	"	"	"	"212s	"	..	..
31 C.	"	"	"	"	"	..	..
33 A.	Grey Box Tree	Eucalyptus dealbata, Cunn.	"	broke	..	..	..
33 B.	Do.	Do.	"	"114	broke	..	..
33 C.	Do.	Do.	"	"107	"167	broke	..
33 D.	Do.	Do.	"	"110	broke	..	..
34 A.	"	"	2 by 1½	"156s	"	"	"
34 B.	"	"	2 by 2	"085	"120	"180	broke
34 C.	"	"	"	"006	"134	broke	..
34 D.	"	"	"	"090	"128	"182	broke
35 A.	Stringy Bark	Eucalyptus obliqua, L'Herit.	1½ by 1½	"091	"126	"182	"
35 B.	Do.	Do.	2 by 2	"108	"355s	broke	..
35 C.	Do.	Do.	"	"157	broke	..	..
35 D.	Do.	Do.	"	"137	"190	broke	..
36 A.	White Gum Tree	Eucalyptus	2 by 2	"088	"158	broke	..
36 B.	"	"	2 by 1½	"177	"	"	"
36 C.	White Gum Tree	Eucalyptus	2 by 2	"154	"	"	"
36 D.	"	"	"	"228	"	"	"
38 A.	Native Cherry Tree	Exocarpus cupressiformis, Lab.	2 by 1½	"119	"215	broke	..
38 B.	Do.	Do.	2 by 2	"092	"149	"308	broke
38 C.	Spurious Mulberry Tree.	Lomatia Fraserii, Br.	"	"093	"141	"239	"
38 D.	Do.	Do.	"	"089	"149	"318	"
39 A.	Do.	Do.	2 by 2	broke	..	..	..
39 B.	Do.	Do.	"	"	..	..	..

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Fracture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	3,696	'430	Not very good fracture; started at a small knot.
..	3,136	'488	Short fracture; symptoms of dry rot.
..	3,136	'249	Short and sudden fracture.
..	3,304	'330	Do.
..	3,136	'338	Specimen defective by knots and shakes.
..	3,528	'400	Quite short and sudden fracture; symptoms of dry rot.
broke	6,384	'400	Cleavage (in defect), and good fibrous fracture.
..	6,104	'380	Good fibrous fracture; specimen had a bad shake in it.
..	6,496	'400	Good fibrous fracture.
..	6,132	'360	Good fibrous fracture; specimen had a large worm knot across the centre.
'307s broke	6,720	'408	Cleavage; fibres parted.
..	5,964	'430	Long fracture.
'272s broke	7,168	'450	Good fracture.
'388s	6,720	'512	Good fibrous fracture.
..	5,516	'215	Long diagonal fracture; not very fibrous.
broke	5,824	'415	Good fracture; specimen badly shaken.
..	4,480	'194	Short and sudden fracture.
broke	5,712	'352	Good fracture.
..	5,544	'295	Long but not fibrous fracture.
..	3,528	'171	Not a good fracture.
..	4,816	'290	Do.
..	4,256	'306	Short fracture at a knot.
..	5,404	'330	Fibrous fracture.
..	5,320	'252	Good fracture.
..	3,864	'212	Short fracture at a knot.
..	5,264	'320	Good fracture.
..	5,096	'324	Do.
..	3,136	'229	Quite short and sudden fracture.
..	2,800	'380	Quite short fracture. This specimen had several knots severed.
..	1,144	'220	Specimen very bad and full of knots.
..	2,688	'150	Sudden diagonal fracture; fibres in specimen diagonal.
..	3,836	'250	Rather short fracture.
..	2,919	'170	Sudden diagonal fracture; fibres in specimen diagonal.
..	2,912	'340	Short fracture.
..	5,292	'394	Short, but not a sudden fracture; rather fibrous.
..	4,116	'186	Short fracture.
..	5,208	'340	Good fracture.
..	4,928	'228	Short fracture; started at a small knot.
..	3,360	'440	Good fibrous fracture.
..	2,912	'493	Good fracture.
..	3,248	'490	Do.
..	3,864	'403	Good fibrous fracture.
..	2,604	'340	Short fracture; specimen worm-eaten.
..	2,576	'272	Short fracture; specimen worm-eaten; frost.
..	2,800	'335	Good fracture; started at shake in specimen.
..	2,492	'340	Good fracture; specimen worm-eaten.
..	4,060	'625	Not a very good fracture.
..	4,760	'440	Short and sudden fracture.
..	5,460	'600	Good fibrous fracture.
..	4,620	'450	Good fracture.
..	2,184	'390	Short fracture.
..	2,240	'335	Do.

TABLE II.—continued.

No. of Specimen.	Local Name.	Botanical Name.	Size, all 16 in. long by	Deflection			
				lbs. 2,240	lbs. 3,360	lbs. 4,480	lbs. 5,600
VICTORIA.							
39 C.	Spurious Mulberry Tree.	Lomatia Frazerii, Br.	" " 2 by 2	243	broke	..	..
39 D.	Do.	Do.	" "	282	..	..	..
39 A α .	Do.	Do.	" "	broke	..	..	..
39 A β .	Do.	Do.	" "	..	..	..	..
39 A γ .	Do.	Do.	" "	..	..	..	..
39 A δ .	Do.	Do.	" "	303	broke	..	..
40 A.	Coast Honeysuckle	Banksia integrifolia, L.	" "	227	..	..	..
40 B.	"	"	" "	230	..	..	..
40 C.	"	"	" "	268	..	..	..
40 D.	Coast Honeysuckle	Banksia australis, Br.	" "	223	..	..	..
42 A.	"	"	2 by 1 $\frac{1}{2}$	broke	..	..	..
42 B.	"	"	2 by 2	081	126	222	broke
42 C.	"	"	1 $\frac{1}{2}$ by 1 $\frac{1}{2}$	105	179	broke	..
42 D.	"	"	2 by 2	079	118	198	broke
42 A α .	"	"	1 $\frac{1}{2}$ by 1 $\frac{1}{2}$	118	184	broke	..
42 A β .	"	"	2 by 2	086	126	249	broke
42 A γ .	"	"	"	078	126	225	..
42 A δ .	"	"	"	096	150	282	..
42 A ϵ.	"	"	"	..	..	..	..
43 A.	"	"	"	088	149	broke	..
43 B.	"	"	1 $\frac{1}{2}$ by 2	110	171	..	..
43 C.	"	"	2 by 2	084	131	..	..
43 D.	"	"	"	133	204	..	..
44 A.	Honeysuckle	Banksia australis, Br.	" "	073	128	246	broke
44 B.	Do.	Do.	1 $\frac{1}{2}$ by 2	broke	..	..	..
44 C.	Do.	Do.	2 by 2	..	..	..	..
44 D.	Do.	Do.	"	..	..	..	..
45 A.	Wattle	Acacia mollissima, W.	" "	..	..	..	..
45 B.	Do.	Do.	2 by 1 $\frac{1}{2}$	110	287	530s	broke
45 C.	Do.	Do.	2 by 2	098	170	broke	..
45 D.	"	"	"	086	164	..	..
	"	"	"	007	153	299	broke

TABLE II.—continued.

at a Weight of						Break- ing Weight in lbs.	Deflec- tion at time of Fracture.	REMARKS.
lbs. 6,720	lbs. 7,840	lbs. 8,960	lbs. 10,080	lbs. 11,200	lbs. 12,320			
..	2,464	'280	Rather long diagonal fracture; started at a knot.
..	2,408	'350	Rather good fracture.
..	1,232	'298	Short fracture.
..	2,100	'275	Rather good fracture.
..	2,324	'338	Rather short cross fracture.
..	2,324	'316	Good fracture.
..	2,688	'380	Short fracture.
..	2,404	'680	Tough fibrous fracture.
..	2,404	'402	Cleavage; fibres parted.
..	2,184	'274	Inclined to be short fracture.
..	5,780	'603	Short fibrous fracture.
..	4,424	'628	Good fracture.
..	5,488	'630	Good short fibrous fracture.
..	3,696	'240	Quite short and sudden fracture.
..	5,180	'982	Very good tough fibrous fracture.
..	5,040	'825	Do. do.
..	4,732	'670	Not a very good fracture; rather short.
..	4,396	'570	Good and rather long fracture.
..	4,424	'424	Not a very good fracture.
..	4,368	'254	Rather short and sudden fracture.
..	4,144	'544	Good fracture.
..	5,096	'995	Good fibrous fracture.
..	756	'330	Very short fracture.
..	540	..	Short fracture.
..	840	'276	Very short fracture.
..	1,240	'365	Short fracture.
..	3,612	'982	Good tough fracture.
..	3,696	'230	Quite short fracture.
..	4,228	'440	Not a very good fracture.
..	4,760	'540	Good fibrous fracture.

TABLE III.

In the following Table the Woods are arranged in the Order of their Breaking Weights.

No. of Specimen.	Name of Wood.	Colony.	Breaking Weight reduced to 12 in. by 2 in. sq.
1 A. B. C. D.	White or pale Iron Bark	New South Wales (South)	lbs.
257 B. C.	Pui - - -	Trinidad - - -	11158'0
4 A. B.	Canasin - - -	British Honduras - - -	10388'0
221 A. B.	Guatamare - - -	Do. - - -	9828'0
8 A. B.	Iron Bark (Hunter River)	Do. - - -	9576'0
4754 A. B.	Iron Wood - - -	New South Wales - - -	9301'0
120 A. B.	Acacia sp. - - -	East India - - -	9254'0
2,468 A.	Pannaga - - -	Queensland - - -	9142'0
2,471 A.	Kasso - - -	East India - - -	8960'0
297 A. B. C. D.	Red Heart - - -	Do. - - -	8848'0
121 A. B. Aa. Ab.	Weeping Myall - - -	Jamaica - - -	8825'0
13 A. B. C. D.	Bastard Box - - -	Queensland - - -	8813'0
11 A. B. C. D.	Bastard Box of Illawarra - - -	New South Wales (South)	8757'0
5 A. B. C. D.	Iron Bark - - -	Do. - - -	8582'0
355 A. B.	Black Rose-wood - - -	Do. - - -	8442'0
2 A. B. C.	White Iron Bark - - -	Jamaica - - -	8442'0
18 A. B.	Boxwood - - -	New South Wales (South)	8316'0
10,358 A. B.	Gangan - - -	Liberia - - -	8260'0
223 A. B. C. D.	Brasileto - - -	East India - - -	8232'0
16 A. B. C. D.	Burneh Bully or Bullet Tree - - -	Jamaica - - -	8176'0
122 A. B. Aa. Ab.	Bricklow - - -	British Guiana - - -	7903'0
5 A. B.	Iron Bark (Hunter River)	Queensland - - -	8078'0
20 A. B. C. D.	Guamara or Tonka - - -	New South Wales - - -	8064'0
3 A. B. C.	Iron Bark - - -	British Guiana - - -	8116'0
77 A. B.	Iron Bark of the Clarence	New South Wales (South)	8103'0
350 A. B.	Green Heart - - -	New South Wales (North)	8036'0
2 A. B.	Cranadillo - - -	Jamaica - - -	8008'0
216 A. B. C. D.	Dog Wood - - -	British Honduras - - -	7994'0
8 A. B. C. D.	Narrow-leaved Iron Bark	Jamaica - - -	7840'0
358 A. B. C.	White Rose Wood - - -	New South Wales (South)	7826'0
10,373 A.	Gnoo-Shwoay - - -	Jamaica - - -	7812'0
5,600 A.	Sissoo (black) - - -	East India - - -	7056'0
17 A. B. C. D.	Dthackai Courroo - - -	Do. - - -	7728'0
2,462 A. B.	Balow - - -	New South Wales (South)	7728'0
7,093 A.	Gading-gading - - -	East India - - -	7700'0
345 A. B.	Wild Orange - - -	Do. - - -	7700'0
4 A. B. C. D.	Broad-leaved Rough Iron Bark - - -	Jamaica - - -	7672'0
339 A. B. C. D.	Naseberry Bullet Tree - - -	New South Wales (South)	7651'0
2,345 A.	? Tenasserim Mahogany - - -	Jamaica - - -	7259'4
2 A.	Iron or Beef Wood - - -	East India - - -	7616'0
67 A. B. Aa. Ab.	Spotted Gum - - -	Ceylon - - -	7616'0
84 A. B.	Black Wattle of Illawarra	Queensland - - -	7532'0
64 A. B. Aa. Ab.	Grey Iron Bark - - -	New South Wales (South)	7499'0
60 A. B.	Hickory Lignum Vitæ - - -	Queensland - - -	7476'0
115 A. B.	Acacia - - -	New South Wales (North)	7453'0
10,379 A. B.	Padouk - - -	Queensland - - -	7448'0
11 A. B. C.	Black Gum - - -	East India - - -	7448'0
89 A. B.	Found in Brush Forests on the Clarence.	Liberia - - -	7429'0
65 A. B. Aa. Ab.	Red Iron Bark - - -	New South Wales (North)	7423'0
63 A. B. Aa. Ab.	Black Iron Bark - - -	Queensland - - -	7406'0
21 A. B. C. D.	Blue Gum - - -	Do. - - -	7345'0
26 A. B. C. D. Aa. Ab.	Green Heart - - -	New South Wales (South)	7364'0
363 A. B. C. D.	Gum Topped Stringy Bark, or White Gum.	British Guiana - - -	7363'0
21 A. B. C. D.	Caoutchouc - - -	Tasmania - - -	7312'0
106 A. B.	Iron Wood - - -	British Honduras - - -	7224'0
72 A. B. Aa. Ab.	Woolly Butt - - -	New South Wales (North)	7224'0
103 A. B.	Grey Gum - - -	Queensland - - -	7182'0
109 A. B. Aa. Ab.	Olive Tree - - -	New South Wales (North)	7182'0
160 A. B.	White Lance Wood - - -	Queensland - - -	7182'0
217 A. B.	Locust - - -	Jamaica - - -	7182'0
		Trinidad - - -	6748'0
			7168'0

TABLE III.—continued.

No. of Specimen.	Name of Wood.	Colony.	Breaking Weight reduced to 12 in. by 2 in. sq.
			lbs.
84 A. B.	Marble Wood - - -	New South Wales (North)	7154·0
558 C. for A. B. C.	Blue Gum - - -	Tasmania - - -	7112·0
27 A. B. C. D.	Black Butt Gum - - -	New South Wales (South)	7103·0
228 A. B.	Yellow Candle Wood - - -	Jamaica - - -	7098·0
556 A. B. C. D.	Blue Gum - - -	Tasmania - - -	7065·0
10,440 A.	Baman - - -	East India - - -	7056·0
140 A. B.	Sandal Wood - - -	Do. - - -	7028·0
40 A. B. C.	Uroobie - - -	New South Wales (North)	7028·0
201 A. B. C.	Red Candle Wood - - -	Jamaica - - -	6991·0
28 A. B. C. D.	Native Plum - - -	New South Wales (North)	6972·0
63 A. B.	Wyagerie - - -	Do. do. do.	6972·0
341 A.	Iron Wood - - -	Jamaica - - -	6720·0
10,367 A. B.	Boomayza - - -	East India - - -	6930·0
214 A. B. C. D.	Savonette Jaime - - -	Trinidad - - -	6713·0
74 A. B.	White Myrtle - - -	New South Wales (North)	6860·0
47 A.	Stringy Bark - - -	Do. do. (South)	6860·0
9 A.	Blue Gum (Hunter River) - - -	Do. do. - - -	6860·0
7 A. B. C. D.	Narrow-leaved Smooth or Red Iron Bark. - - -	Do. do. (South)	6804·0
10,376 A.	Yin-dike - - -	East India - - -	6776·0
117 A. B. Aa. Ab.	Rosewood - - -	Queensland - - -	6706·0
5,598 A.	Sál - - -	East India - - -	6720·0
97 A. B.	Sersalisia Sericea - - -	Queensland - - -	6706·0
276 A. B.	Guatcare - - -	Trinidad - - -	6692·0
10,477 A. B. C.	Kay Yoob - - -	East India - - -	6683·0
10,357 A.	Theya - - -	Do. - - -	6664·0
243 A. B.	Acoma or Mastic - - -	Trinidad - - -	6650·0
265 A. B.	Red Mangrove - - -	Do. - - -	6342·0
108 A. B. Aa. Ab.	Canthium Lamprophyllum - - -	Queensland - - -	6629·0
55 A. B.	Water Gum - - -	New South Wales (South)	6622·0
147 A.	Ternwah? - - -	East India - - -	6608·0
18 A.	Kaskat - - -	British Honduras - - -	6608·0
61 A. B. Aa. Ab.	Myrtacæ - - -	Queensland - - -	6566·0
24 A. B. Aa. Ab.	Broad-leaved Cherry - - -	Do. - - -	6517·0
57 A. B.	Iron Wood - - -	Do. - - -	6496·0
10,352 A. B.	Eng - - -	East India - - -	6468·0
22 A. B. C. D.	Iron Bark Tree - - -	Victoria - - -	6279·0
24 A. B.	Woolly Butt of Illawarra - - -	New South Wales (South)	6468·0
10,388 A. B.	Pangah - - -	East India - - -	6468·0
4,668 A.	Dhowrah - - -	Do. - - -	6440·0
7,067 A.	Bia-babi - - -	Do. - - -	5852·0
10 A. B. C.	Cedar - - -	Liberia - - -	6437·0
13 A. B.	Bullet Wood - - -	British Honduras - - -	6412·0
17 A.	Sapodilla - - -	Do. - - -	6384·0
10,348 A. B.	Petwoon - - -	East India - - -	6384·0
46 A. B. C. D.	Stringy Bark of Coast - - -	New South Wales (South)	6384·0
319 Aa. Ab. Ba. Bb. Bc. Bd. Ca. Cb. Ea. Eb.	Cocoa Nut - - -	Jamaica - - -	6382·0
88 A. B.	Found in Brush Forests on the Clarence. - - -	New South Wales (North)	6370·0
58 A. B. Aa.	Myrtle - - -	Queensland - - -	6365·0
10,390 A. B.	Htounkyan - - -	East India - - -	6356·0
88 A. B. C. D.	Grey Gum from Brisbane Water. - - -	New South Wales (South)	6356·0
185 A. B. C. D.	Noyer - - -	Trinidad - - -	6307·0
36 A. B. C. D.	Larrabee - - -	New South Wales (North)	6297·0
25 A. B.	Rough-barked Gum - - -	Do. do. (South)	6230·0
5,606 A.	Sissoo (Red) - - -	East India - - -	6216·0
48 A. B. C. D.	Stringy Bark, Camden - - -	New South Wales (South)	6209·0
70 A. B.	Myrtle - - -	Do. do. do.	6191·0
12 A. B. Aa. Ab.	Plindosa - - -	Queensland - - -	6139·0
10,478 A. B. C.	Nat Gyee - - -	East India - - -	6179·0
10,485 A. B. C.	Padouk - - -	Do. - - -	6197·0
64 A. B.	Broad-leaved Tree - - -	New South Wales (South)	6153·0
226 A. B. C. D.	Angelin - - -	Trinidad - - -	6148·0
123 A. B.	Acacia - - -	Queensland - - -	6146·0
43 A. B. C. Aa. Ab.	Cyminosma Oblongifolia - - -	Do. - - -	6146·0
44 A. B.	Mahogany - - -	New South Wales (South)	6118·0
328 A. B.	Black Bullet Tree - - -	Jamaica - - -	6118·0
237 A. B.	Sapodilla, Sapotillier - - -	Trinidad - - -	6104·0

TABLE III.—continued.

No. of Specimen.	Name of Wood.	Colony.	Breaking Weight reduced to 12 in. by 2 in. sq.
			lbs.
28 A. B. C. A. B. C. D.		Victoria	6255.0
10 A. B. C. D.	Box of Illawarra	New South Wales (South)	6064.0
5,602 A.	Abloos or Kandoo	East India	6048.0
23 A. B.	Grey Gum	New South Wales (South)	6048.0
7,086 A.	Dammer-laut	East India	6020.0
105 A. B.	River or White Oak	New South Wales (South)	6006.0
54 A. B.	Turpentine	Do.	6005.0
40 A. B. C. D.	Messmate	Do.	5999.0
4,671 A.	Baobul	East India	5992.0
37 A. B.	Eucalyptus, sp.	New South Wales (South)	5992.0
68 A. B. Aa. Ab.	Turpentine Tree	Queensland	5964.0
44 A. B. Aa. Ab.	Tulip Wood	Do.	5943.0
363 A.	Beech Wood	Jamaica	5930.0
67 A. B.	Nono Gyinandii	New South Wales (North)	5908.0
10,397 A.	Thabyehgah	East India	5880.0
373 Ca. Cb. Cc.	For 11 specimens Stringy Bark.	Tasmania	5853.0
21 A. B.	Wootarie	New South Wales (North)	5824.0
218 A. B. C. D.	Naranjillo Amarillo	Trinidad	5824.0
80 A. B.		East India	5824.0
5,610 A.	Koozoon	Do.	5824.0
9 A. B.	Swamp Oak	Queensland	5796.0
200 A. B. C. D.	Laurier Canelle	Trinidad	5796.0
10,489 A. B.	Kya Ya	East India	5782.0
5 A. B. C. D.	Brush Bastard or White Box.	New South Wales (North)	5774.0
10,410 A. B.	Hteingalah	East India	5768.0
8 A. B. C. D.		Victoria	5748.0
10,482 A. B.	Pune Thah	East India	5726.0
15 A.	Mabinjuh or Mabinjuh	British Honduras	5712.0
10,406 A. B.	Binjah	East India	5712.0
5,601 A.	Burdur	Do.	5712.0
43 A. B.	Bat and Ball, Native Orange? Native Pomegranate.	New South Wales (North)	5711.0
19 A. B. Aa. Ab.	Lightwood	Queensland	5705.0
73 A. B. C. D.	Blue Gum	Do.	5663.0
57 A. B. C. D.	Hickory	New South Wales (South)	5657.0
71 A. B. Aa.	Swamp Mahogany	Queensland	5656.0
267 A. B. C. D.	White Bully Tree	Jamaica	5586.0
14 A. B.	Tastab	British Honduras	5460.0
54 A. B.	Schmidelia Pyriformis	New South Wales (North)	5632.0
338 A. B. C.	Spanish Elm	Jamaica	5619.0
111 A. B. C. D.	Water Gum	New South Wales (North)	5605.0
4,662 A.	Dhengun	East India	5606.0
185 A.	? Black Wood	Do.	5600.0
5,607 A.	Peasal	Do.	5600.0
7,629 A. B.	Boom Mai Za	Do.	5600.0
23 A. B. Aa. Ab.	Mountain Ash	Do.	5600.0
66 A. B. Aa. Ab.	Stringy Bark	Queensland	5593.0
29 A. B. Aa. Ab.	Lignum Vitæ	Do.	5572.0
280 A. B. C. D.	Genipa	Do.	5565.0
10,491 A. B.	Zeangyeevat-doup	Trinidad	5551.0
53 A. B.	Caripa Ovata	East India	5544.0
3,953 A.	Rohnee	New South Wales (North)	5530.0
66 A. B.	Bastard Myall	East India	5512.0
15 A. B. C.	Box	New South Wales (North)	5502.0
10,417 A.	Pact-than	Do. do. (South)	5501.0
218 A. B.	Dog Wood	East India	5488.0
42 A. B. C.	Swamp Mahogany	Jamaica	5474.0
354 A. B.	Sweet Wood	New South Wales (South)	5451.0
5,609 A.	Kechar	Jamaica	5446.0
49 A. B. C. D.	Stringy Bark, Berrima	East India	5432.0
88 A. B. Aa. Ab.	Bursaria Ferruginea	New South Wales (South)	5428.0
262 A. B. C. D.	Oliver	Queensland	5418.0
1,220 A. B.	Ungun	Trinidad	5404.0
4,664 A.	Beejah	East India	5390.0
7,089 A.	Bintaling	Do.	5376.0
10,226 A.	Sissoc	Do.	5376.0
137 A. B.	Wallandun Deyern	Do.	5376.0
220 A. B.	Casse	New South Wales (South)	5367.0
		Trinidad	5362.0

TABLE III.—continued.

No. of Specimen.	Name of Wood.	Colony.	Breaking Weight reduced to 12 in. by 2 in. sq.
11 A.	Chucya - - -	British Honduras - -	lbs.
16 A. B.	Subin or Cubin - - -	Do. - - -	5348'0
10,420 A. B.	Thau-day - - -	East India - - -	5334'0
104 A. B. <i>Ad. Ab.</i>	Found in the Bricklow Scrubs.	Queensland - - -	5320'0
180 B. C. D.	Crabtree - - -	Trinidad - - -	5306'0
196 A. B.	Beef Wood - - -	Do. - - -	5189'0
61 A. B. C. D.	Wyagerie Flindosa - - -	New South Wales (North) - - -	5292'0
3,952 A.	Iymungul - - -	East India - - -	5292'0
372 A. B.	Beef Apple - - -	Jamaica - - -	5264'0
10,356 A. B.	Engyin - - -	East India - - -	5250'0
80 A. B. <i>Ad. Ab.</i>	Bottle Brush Tree - - -	Queensland - - -	5222'0
24 A. B. C. D.	Wyagerie or Cugeri Ash, Beech and Flindosa.	New South Wales (North) - - -	5222'0
90 A. B.	Pittisporace - - -	Queensland - - -	5215'0
14 A. B.	Found near Lismore, near Richmond River.	New South Wales (North) - - -	5218'0
25 A.	Roble Blanco - - -	British Honduras - -	5208'0
10,434 A.	Theetmin - - -	East India - - -	5780'0
1 A. B. C. D.	Peppermint Tree - - -	Victoria - - -	5152'0
8 A. B. C. D. <i>Ad. Ab. Ca. Cb. Cc. Cd.</i> for 13 specimens.	Black Wood - - -	Tasmania - - -	5110'0
2,474 A.	Bromboug - - -	East India - - -	5065'0
4 A.	Satin Wood - - -	Ceylon - - -	5096'0
30 A. B. C.	? - - -	East India - - -	5096'0
7,092 A.	Madang Serai - - -	Do. - - -	5087'0
270 A. B. <i>Ad. Ab. Ac. Ad.</i>	Wild Guana - - -	Trinidad - - -	5063'0
6 A. B. <i>Ad. Ab.</i>	Forest Oak - - -	Queensland - - -	4979'0
10,382 A.	Pouk-theuma-Myek-Kyounk.	East India - - -	5047'0
106 A. B. <i>Ad. Ab. Ba. Bb. Ca. Cb.</i>	Geifera Salicifolia - - -	Queensland - - -	5040'0
3 A. B.	Coast Tea Tree - - -	Victoria - - -	4977'0
32 A. B. <i>Ad. Ab.</i>	Plum Tree - - -	Queensland - - -	4977'0
2 A. B. C. D. <i>Ad. Ab. Ac. Ad.</i>	Grey Box Tree - - -	Victoria - - -	4985'0
7,071 A.	Marbow - - -	East India - - -	4946'0
10,340 A. B.	Dwa Nee - - -	Do. - - -	4946'0
64 A. B.	Tea Tree - - -	New South Wales (North) - - -	4908'0
155 A. B.	Found at Illawara and Brisbane Water.	New South Wales (South) - - -	4908'0
4,660 A.	Surrye - - -	East India - - -	4984'0
111 A. B. <i>Ad. Ab.</i>	Notelea Longifolia - - -	Queensland - - -	4977'0
102 A. B. C. D.	Flooded Gum - - -	New South Wales (North) - - -	4965'0
10,399 A. B.	Laizah - - -	East India - - -	4946'0
15 B. C. D.	Mora - - -	British Guiana - - -	4788'0
114 A. B.	Brush Iron Bark - - -	New South Wales (North) - - -	4943'0
21 A. B. C. D.	Black Oak - - -	Liberia - - -	4933'0
1 A. B. C.	Siricote - - -	British Honduras - - -	4928'0
53 A. B. <i>Ad. Ab.</i>	Myrtus Trinervis - - -	Queensland - - -	4928'0
4,665 A.	Kowah - - -	East India - - -	4928'0
54 A. B. <i>Ad. Ab.</i>	Myrtus Argentea - - -	Queensland - - -	4914'0
79 A. B. <i>Ad. Ab.</i>	Common Tea Tree - - -	Do. - - -	4907'0
55 A. B. <i>Ad. Ab.</i>	Backhousia Citriodora - - -	Do. - - -	4900'0
91 A. B.	Crab Tree - - -	Do. - - -	4900'0
6 A. B. C.	Eucalyptus, found at Buffalo.	Victoria - - -	4900'0
29 A. B. C. D. <i>Ad. Ab. Ac. Ad. A. B.</i>	- - - - -	Do. - - -	4899'0
222 A. B. C. D.	Palo Mulata - - -	Trinidad - - -	4896'0
7,066 A.	Rungas - - -	East India - - -	4894'0
36 A. B. <i>Ad. Ab.</i>	Pseudalangium Tomen-tosum.	Queensland - - -	4893'0
34 A. B. C. D.	- - - - -	Victoria - - -	4886'0
154 A. B.	Nettle Tree - - -	New South Wales (South) - - -	4886'0
45 A. B. <i>Ad. Ab.</i>	Schmidelia Pyriformis - - -	Queensland - - -	4886'0
42 A. B. C. D. <i>Ad. Ab. Ac. Ad.</i>	- - - - -	Victoria - - -	4868'0
169 A. B. C. D.	Red Wood - - -	Jamaica - - -	4865'0
7 A. B. C.	Whismore - - -	Liberia - - -	4863'0

TABLE III.—continued.

No. of Specimen.	Name of Wood.	Colony.	Breaking Weight reduced to 12 in. by 2 in. sq.
			lbs.
3 A.	Yaming	Ceylon	4844'0
177 A. B. C. D.	Mountain Ash	New South Wales (South)	4832'0
113 A. B. Aa. Ab.	Mangrove	Queensland	4816'0
104 A. B.	Bitter Bark	New South Wales (North)	4816'0
47 A. B. C. D.	Rosewood	Do. Do.	4802'0
38 A. B. C. D.	Native Cherry Tree	Victoria	4792'0
4 A. B. C. D.	Monkey Nut	British Guiana	4780'0
69 A. B.	Found at Clarence and Richmond Brush Forests.	New South Wales (North)	4774'0
210 A. B. C.	Casuarina equisetifolia	Jamaica	4769'0
10,384 A.	Thitsee	East India	4760'0
7,529 A.	Asna or Asan	Do.	4760'0
6,542 A.	? Kokoh	Do.	4760'0
46 D.		Victoria	4760'0
10,355 A. B.	Thingadoo	East India	4746'0
351 A.	Musk Wood	Jamaica	4740'0
3 A. B. C.	Goorole	New South Wales (North)	4732'0
10,416 A. B.	Toung-za-lat	East India	4732'0
145 A.	Box ?	Do.	4732'0
326 A. B.	Red Wood	Jamaica	4718'0
7,514 A. B.	Sakhoo	East India	4714'0
3,951 A.	Pindra	Do.	4724'0
7,531 A.	?	Do.	4704'0
3,961 A.	Mowah	Do.	4704'0
46 A. B. Aa. Ab.	Catha Cunninghami	Queensland	4697'0
84 A. B. Aa. Ab.	Satin Wood	Do.	4690'0
16 A.	Flooded Gum	New South Wales (South)	4681'0
332 A. B. C. D.	Hog Berry	Jamaica	4662'0
10,393 A. B.	Bambonay	East India	4648'0
34 B.	Dark Yellow Wood	Queensland	4634'0
208 A. B. C. D.	Canto	Trinidad	4622'0
60 A. B. Aa.	Myrtus Australis	Queensland	4620'0
10 A. B. C. D. Aa.	Woolly Butt	Victoria	4608'0
Ab. Ac. Ad.		Trinidad	4763'0
155 A. B. C. D.	Tapania Tapanari, or Algodon.	Queensland	3290'0
118 A. B. Aa. Ab.	Acacia Sapindoides	Victoria	4581'0
43 A. B. C. D.	Kumpas	East India	4564'0
7,090 A.	Smooth-barked Gum	Queensland	4556'0
69 A. B. Aa. Ab.		Do.	4550'0
20 A. B. Aa. Ab.	Klat	East India	4256'0
Ba. Bb.	Klaydang	Do.	4536'0
7,072 A.		Victoria	4535'0
2,403 A.	Pencil Cedar ; Turnip Wood.	New South Wales (North)	4515'0
9 A. B. C.		Jamaica	4508'0
51 A. B. C. D.	Blood Red Wood ; Black Mahogany.	New South Wales (North)	4508'0
376 A. B.	Cherry of the Clarence	East India	4480'0
26 A. B.	Klat Mera	Do.	4480'0
2,470 A.	? Pangah	Tasmania	4467'0
6,550 A.	Blue Gum	New South Wales (North)	4466'0
374 A. B. C. D.	Clarence and Richmond Brush.	Trinidad	4445'0
45 A. B.	Surette	Hungary	4438'0
168 A. B. C. D.	Toung-tha-lay	East India	4438'0
24 Aa. Ab.	Swamp Mahogany	New South Wales (South)	4438'0
10,359 A. B.	Kardahee	Hungary	4435'0
43 A. B. C. D.	Marabow	East India	4424'0
2 A. B. C. D.	Bengha	Do.	4396'0
3,955 A.	Silver Tree	Do.	4396'0
2,465 A.	?	Queensland	4382'0
144 A.		East India	4368'0
94 A. B.	Cupania sp.	Queensland	4354'0
7,520 A.	Black Mahogany, or Blood Red Wood.	Jamaica	4347'0
40 A. B. Aa. Ab.	Tecoma Stans	Do.	4340'0
384 A. B. C. D.	Mooraballi	British Guiana	4327'0
284 A. B.	Oak Au	East India	4319'0
7 A. B. C. D.	Jermakung	Do.	4312'0
7,622 A. B. C. D.			
7,075 A.			

TABLE III.—continued.

No. of Specimen.	Name of Wood.	Colony.	Breakin Weight reduced to 12 in. by 2 in. sq.
			lbs.
6,548 A.	? Nabhay - - -	East India - - -	4312°0
5 A. B.	Kakuralli - - -	British Guiana - - -	4312°0
10,386 A.	Nabhay - - -	East India - - -	4312°0
219 A. B. C. D.	Tamarind - - -	Trinidad - - -	4234°0
89 A. B.	Bursaria Spinosa - - -	Queensland - - -	4234°0
81 A. B. A. A. A. B.	Croton Phebaloides - - -	Do. - - -	4234°0
18 A. B. C.	Blue Gum of Coast Dis- tricts.	New South Wales (South)	4235°5
164 A. B. C. D.	Blood or Iron Wood - - -	Jamaica - - -	4263°0
5,908 A.	Koozoom - - -	East India - - -	4256°0
171 A. B. C. D.	Galba - - -	Trinidad - - -	4240°0
15 A. B. C. D.	Burr Wood - - -	Liberia - - -	4235°0
252 A. B. C.	White Mangrove - - -	Jamaica - - -	4228°0
18 A. B. C.	Caraba or Crab Wood - - -	British Guiana - - -	4219°0
52 A. B. C. D.	Apple Tree of Coast - - -	New South Wales (South)	4202°0
205 A. B. C. D.	Canturo - - -	Trinidad - - -	4211°0
10,354 A. B.	Thin Ghau - - -	East India - - -	4200°0
11 A. B.	- - -	Hungary - - -	4196°0
10,380 A.	Kokoh - - -	East India - - -	4144°0
93 A. B. A. A. A. B.	Steveniace - - -	Queensland - - -	4137°0
9 A. B. C.	- - -	Hungary - - -	4130°0
206 A. B. C. D. A. C.	Bois de fer - - -	Trinidad - - -	4107°0
17 A. B.	Brimstone - - -	Liberia - - -	4102°0
207 A. B. C. D.	Canto - - -	Trinidad - - -	4095°0
4,661 A.	Iwinrusse - - -	East India - - -	4088°0
7 A. B. C.	- - -	Victoria - - -	4088°0
44 A. B.	Black Myrtle - - -	New South Wales (North)	4088°0
70 A. B. A. A. A. B.	Blood Wood - - -	Queensland - - -	4088°0
20 A. B.	Blue Gum - - -	New South Wales (South)	4074°0
27 A. B. C.	Native Tamarind - - -	Do. do. (North)	4069°0
60 A. B. C.	Common Tea Tree - - -	Do. do. (South)	4065°0
86 A. B. ?	Woodunpar - - -	East India - - -	4060°0
10,405 A. B.	Huau - - -	Do. - - -	4060°0
10,375 A. B.	May-za-lei - - -	Do. - - -	4046°0
201 A. B. C. D. A. A.	} Laurier Blanc - - -	Trinidad - - -	4074°0
A. B. A. C. A. D.		- - -	- - -
5,599 A.	Teak Sagoon - - -	East India - - -	4032°0
309 A. B. C. D.	Tea Tree - - -	Tasmania - - -	4039°0
6 A. B. C. D.	Red Box - - -	New South Wales (North)	4007°0
11 A. B. A. A. A. B.	Light Yellow Wood - - -	Queensland - - -	3997°0
10 A. B.	Menem - - -	New South Wales (North)	3990°0
109 A. B.	Swamp Mahogany - - -	Do. do. - - -	3990°0
4,658 A.	Putteereca Sayoon - - -	East India - - -	3976°0
49 A. B. A. A. A. B.	Mimusops Parviflora - - -	Queensland - - -	3976°0
105 A. B.	Light Yellow Wood - - -	New South Wales (North)	3976°0
163 A.	Mahor des Londres - - -	Trinidad - - -	3976°0
5,693 A.	Assau - - -	East India - - -	3976°0
17 A. B.	Pobo - - -	New South Wales (North)	3948°0
6,547 A.	? Khyong-yook - - -	East India - - -	3948°0
320 A. B.	Yoke Wood - - -	Jamaica - - -	3948°0
166 A. B. C.	Soapnut Tree - - -	Trinidad - - -	3920°0
10,364 A.	Pinlay Oong - - -	East India - - -	3920°0
23 A. B. C. D.	Urta Wymbie - - -	New South Wales (North)	3913°0
22 A. B. C. D.	Mahogany - - -	Liberia - - -	3887°0
45 A. B. C. C.	Wattle - - -	Victoria - - -	3884°0
59 A. B.	Prickly Tea Tree - - -	New South Wales (South)	3880°0
4,659 A.	Doodhea Sayoon - - -	East India - - -	3864°0
212 A. B.	Balsam Capivi - - -	Trinidad - - -	3864°0
10,225 A.	Saul - - -	East India - - -	3864°0
33 A.	Rosewood - - -	Queensland - - -	3850°0
- A.	Pine (Hunter River)	New South Wales (South)	3845°0
1 A. B.	Bogum Bogum - - -	Do. (North)	-
10,394 A. B.	Thabyehgio - - -	East India - - -	3836°0
4,667 A.	Trosun - - -	Do. - - -	3808°0
127 A.	Tamarind - - -	New South Wales (South)	3808°0
108 A. B.	Beech Brush Cherry - - -	Do. - - -	3789°0
3,957 A.	Tine or Sisso - - -	East India - - -	3780°0
10 A. B. C. D.	- - -	Hungary - - -	3780°0
59 A. B. A. A. A. B.	Myrtus Aemeniodes - - -	Queensland - - -	3766°0
3,954 A.	Londya - - -	East India - - -	3752°0
23 A.	Yaxnic or Yaxnig - - -	British Honduras - - -	3752°0
47 A. B. A. A. A. B.	Lime - - -	Queensland - - -	3710°0

TABLE III.—continued.

No. of Specimen.	Name of Wood.	Colony.	Breaking Weight reduced to 12 in. by 2 in. sq.
			lbs.
4 A. B. C. D.	- - -	Hungary - - -	3677'0
29 A. B. C.	Hitchia - - -	British Guiana - - -	3672'0
10,475 A. B.	Manec Auka - - -	East India - - -	3668'0
63 A. B. Aa. Ab.	Black Iron Bark - - -	Queensland - - -	3668'0
110 A. B. Aa. Ab.	Ixora Thozetiana - - -	Do. - - -	3664'0
10,221 A.	Philibut - - -	East India - - -	3640'0
3,956 A.	Taman - - -	Do. - - -	3640'0
187 A. B. C. D.	Gommier - - -	Trinidad - - -	3633'0
93, 94 A. B. C. D.	Myrtle - - -	Tasmania - - -	3635'0
7,618 A. B.	Thin Ghau - - -	East India - - -	3598'0
1 A. B. C. D.	- - -	Hungary - - -	3585'0
5,604 A.	Gumbara - - -	East India - - -	3584'0
7,517 A.	Toon - - -	Do. - - -	3584'0
17 A. B. C.	A. - - -	Hungary - - -	3563'0
169 A. B. C. D.	Paraman - - -	Trinidad - - -	3561'0
248 A. B. C. D.	Cypre - - -	Do. - - -	3235'0
17 A. B. Aa. Ab.	Tulip Tree - - -	Queensland - - -	3555'0
2,488 A.	Madang Sarya Batoo - - -	East India - - -	3528'0
198 A. B. C. D.	Laurel - - -	Trinidad - - -	3520'0
9,239 A.	Bayang Bada - - -	East India - - -	3192'0
25 A. B. Aa. Ab.	Cherry - - -	Queensland - - -	3507'0
93 A. B.	Celtis Opaca - - -	New South Wales (North) - - -	3500'0
10,361 A. B.	Poonyet - - -	East India - - -	3500'0
10,409 A. B.	Htein - - -	Do. - - -	3500'0
140 A. B.	Light Wood, Leather Jacket, Coach Wood.	New South Wales (South) - - -	3472'0
77 A. B.	Broad-leaved Tea Tree - - -	Queensland - - -	3472'0
12 B.	True or Yellow Box of Camden.	New South Wales (South) - - -	3472'0
7 A. B. C. D.	- - -	Hungary - - -	3456'0
19 B. C.	For 3 specimens, Cedar - - -	Liberia - - -	3455'0
15 A. B. C.	Musk Tree - - -	Victoria - - -	3453'0
7 A. B.	Buranna - - -	New South Wales (North) - - -	3450'0
16 A. B.	Cherry - - -	Liberia - - -	3448'0
35 A. B. C. D.	Stringy Bark - - -	Victoria - - -	3430'0
20 Aa. Ab. Ac. Ad.	Mahogany - - -	Liberia - - -	3420'0
365 A. B.	Wild Cinnamon - - -	Jamaica - - -	3416'0
5,597 A.	Guringa - - -	East India - - -	3416'0
2,476 A.	Marsawa - - -	Do. - - -	3416'0
19 A. B. C. D.	Blue Gum of Camden - - -	New South Wales (South) - - -	3416'0
52 A. B. Aa. Ab.	Hodgkinsonia Ovati-floria. - - -	Queensland - - -	3416'0
25 A. B. C. D.	Urrie Burrigundie - - -	New South Wales (North) - - -	3396'0
102 A. B. C. D.	Silver Wattle - - -	Tasmania - - -	3390'0
136 A. B. C. D.	White Maple - - -	New South Wales (South) - - -	3379'0
1 A. B.	Bogum Bogum - - -	New South Wales (North) - - -	3374'0
10,362 A.	Gyo - - -	East India - - -	3360'0
1 A.	Halmohilli - - -	Ceylon - - -	3360'0
6 B.	Mahogany (Hunter River) - - -	New South Wales - - -	3360'0
1,215 A.	Karee - - -	East India - - -	3360'0
13 A. B. C. D.	- - -	Hungary - - -	3311'0
8 A. B. C. D.	- - -	Do. - - -	3289'0
16 A. B. C. D.	Desert Cypress Pine - - -	Victoria - - -	3276'0
30 A. B. Aa. Ab.	Beech - - -	Queensland - - -	3276'0
53 A. B. C. D.	Apple - - -	New South Wales (South) - - -	3264'0
3,948 A.	Siris - - -	East India - - -	3248'0
10,430 A. B. C.	Tounbein - - -	Do. - - -	2756'0
10,476 A. B. C.	Ngoo Tha - - -	Do. - - -	3248'0
76 A. B. Aa. Ab.	Spotted Gum - - -	Queensland - - -	3241'0
99 A. B. Aa. Ab.	Bean Tree - - -	Do. - - -	3241'0
23 A. B.	Samak or Sumach - - -	East India - - -	3220'0
112 Aa. Ab.	Capparidace - - -	Queensland - - -	3220'0
189 A. B. C. D.	Jack Fruit - - -	Jamaica - - -	3218'0
364 A. B.	Peppermint - - -	Tasmania - - -	3208'0
7,077 A.	Sittola - - -	East India - - -	3203'0
4,657 A.	Seba Sasoan Teak - - -	Do. - - -	3192'0
5,551 A.	Lein - - -	Do. - - -	3192'0
10,426 A. B. C.	Kuyon Teak - - -	Do. - - -	3257'0
9 A. B.	Santa Martia - - -	British Honduras - - -	3164'0
41 B.	Cupania Pseudorchus - - -	Queensland - - -	3140'0
3,949 A.	Hurdoo - - -	East India - - -	3136'0
33 A. B. C. D.	Grey Box - - -	Victoria - - -	3135'0

TABLE III.—continued.

No of Specimen.	Name of Wood.	Colony.	Breaking Weight reduced to 12 in. by 2 in. sq.
			lbs.
15 A. B.	- - -	Hungary	3117'0
39 A. B. Aa. Ab.	Sassafras	Queensland	3115'0
88 A. B. Aa. Ab.	Rottlera	Do.	3115'0
67 A. B. C.	Sassafras	Tasmania	3113'0
56 A. B. Aa. Ab.	Eugenia Marginata	Queensland	3108'0
167 A. B. C.	Cacapoule	Trinidad	3098'0
97 A. B. C. D.	White Gum	Tasmania	3090'0
105 A. B. Aa. Ab.	Barkleya Syringifolia	Queensland	3087'0
227 A. B.	Angelin	Trinidad	3080'0
50 A. B. Aa. Ab.	Maba Geminata	Queensland	3073'0
19 A. B.	Cherry	New South Wales (North)	3052'0
7,677 A. B.	Tseek Tha	East India	3052'0
11 A. B. C. D.	Broad-leaved Box Tree	Victoria	3038'0
7,674 A. B.	? Tonk Tsa	East India	3024'0
35 A. B. Aa. Ab.	Cugeric	Queensland	3003'0
5 A. B. Aa. Ab.	She Pine	Do.	2996'0
1,214 A.	Doodhee	East India	2984'0
7 A.	River Oak	Queensland	2984'0
324 A. B.	Santa Maria	Jamaica	2968'0
260 A. B.	Almond Tree	Trinidad	2968'0
28 A. B. Aa. Bb.	Mangrove	Queensland	2954'0
9,238 A.	- - -	East India	2912'0
3 A.	Larch	Russia	2912'0
4,663 A.	Saj	East India	2912'0
10,415 A.	Khaboung	Do.	2912'0
8 A. B. Aa. Ab.	Shingle Oak	Queensland	2884'0
7,665 A. B.	Dhane Eha	East India	2884'0
14 A. B. C. D.	- - -	Hungary	2880'0
6 A. B. C. D.	Riga Oak	Russia	2870'0
4,672 A.	Khumeek	East India	2856'0
3 A. B. C. D.	- - -	Hungary	2835'0
7,619 A. B.	Ali Nau	East India	2828'0
6,545 A.	? Toun Katseet	Do.	2800'0
3,950 A.	Kaim	Do.	2800'0
15 A. B. Aa. Ab.	Silky Oak	Queensland	2772'0
28 A. B.	- - -	Hungary	2786'0
22 A. B.	Yaxnic	British Honduras	2758'0
367 A. B.	White Cedar	Jamaica	2747'0
10,419 A. B.	Tha-Khoot-ma	East India	2744'0
6 A. B. C. D.	- - -	Hungary	2679'0
27 A. B. C.	- - -	Do.	2679'0
7 A. Aa.	Tea Tree (Hunter River)	New South Wales	2660'0
125 A. B. C. D.	Maidens' Blush, Ladies' Blush.	New South Wales (South)	2659'0
36 A. B. C. D.	White Gum Tree	Victoria	2639'0
158 A. B. C. D.	Garlick Pear	Trinidad	2620'0
35 A. B.	Undambie	New South Wales (North)	2590'0
4,670 A.	Bher	East India	2576'0
139 A.	White Myrtle, Blue Ash	New South Wales (South)	2576'0
21 A. B.	Cabbage Tree	Queensland	2576'0
40 A. B. C. D.	Coast Honeysuckle	Victoria	2486'0
10,438 A. B. C.	Nasha	East India	2529'0
7,527 A. B. C.	Neem	Do.	2520'0
38 A. B. Aa. Ab.	Grey Plum	Queensland	2520'0
2 A.	Larch	Russia	2520'0
102 A. B. Aa. Ab.	Ebenace	Queensland	2506'0
312 A. B. C.	Juniper Cedar	Jamaica	2501'0
4 A.	Cypress Pine	Queensland	2464'0
4,666 A.	Ghatoo	East India	2464'0
114 A. B.	Celtis sp.	Queensland	2464'0
2,490 A.	Niatoo	East India	2464'0
5 A. B.	Larch	Russia	2464'0
7,515 A.	- - -	East India	2464'0
68 A. B.	Pine Brush	New South Wales (North)	2408'0
10,427 A. B.	Yemanch	East India	2408'0
22 A. B. C. D.	Woorodii	New South Wales (North)	2404'0
43 A. B. Aa. Ab.	Tamarind	Queensland	2401'0
171 A. B. C. D.	White Beech	New South Wales (South)	2380'0
14 A. B. C. D.	Houbaballi	British Guiana	2373'0
31 A. B. C.	- - -	Victoria	2360'0
100 Aa. Ab.	Ebenace	Queensland	2352'0
6,549 A.	Titseim	East India	2352'0

TABLE III.—*continued.*

No. of Specimen.	Name of Wood.	Colony.	Breaking Weight reduced to 12 in. by 2 in. sq.
			lbs.
12 D.	Gomphan - - -	New South Wales (North)	2372·0
10,435 A. B.	Tinyooben - - -	East India - - -	2324·0
7,524 A.	Kaitha - - -	Do. - - -	2296·0
24 A. B. Aa. Ab.	- - -	Austria - - -	2284·0
120 A. B.	Teak - - -	New South Wales (South)	2254·0
186 A. B.	Mango - - -	Trinidad - - -	2212·0
10,422 A. B.	Thanat - - -	East India - - -	2184·0
75 A. B. C.	Mungkudu - - -	Do. - - -	2184·0
39 A. B. C. D. Aa.	} Spurious Mulberry Tree	Victoria - - -	2160·0
Ab. Ac. Ad.			
4 A. B.	Larch - - -	Russia - - -	2142·0
1 A. B. C. D.	Riga Fir - - -	Do. - - -	2128·0
31 A. B. Aa. Ab.	White Cedar - - -	Queensland - - -	2105·0
10 A. B. Aa. Ab.	Red Cedar - - -	Do. - - -	2072·0
87 A. B.	Leichardt's Wood - - -	Do. - - -	2072·0
16 A. B. Aa. Ab.	Beefwood - - -	Do. - - -	2065·0
44 A. B. C. D.	Honeysuckle - - -	Victoria - - -	870·0
12 A. B. C. D.	Do. - - -	Do. - - -	718·0

TABLE IV.—*continued.*

No. of Specimen.	Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
BRITISH GUIANA																	
7 A.	Moraballi, or Mooraballi.	.005	.007	.008	.010	.017	..	..	..	..	..	..	..	..	..	7,131
7 B.	"	.007	.008	.010	.013	.017	..	..	..	..	..	..	..	..	..	7,653
7 C.	"	.006	.007	.009	.011	.014	..	..	..	..	..	..	..	..	..	7,429
7 D.	"	.006	.007	.009	.011	.014	..	..	..	..	..	..	..	..	..	7,392
14 A.	Houbaballi	.006	.007	.008	.010	.012	.016	..	..	..	..	..	..	..	..	7,877
14 B.	"	.006	.007	.008	.010	.012	..	..	..	..	..	..	..	..	..	7,392
14 C.	"	.006	.008	.009	.011	.015	..	..	..	..	..	..	..	..	..	7,280
14 D.	"	.006	.008	.009	.011	.015	..	..	..	..	..	..	..	..	..	7,728
15 A.	Mora	.006	.007	.009	.010	.013	..	..	..	..	..	..	..	..	..	8,848
15 B.	"	.010	.015	.019	.023	.027	.031	.039	..	..	..	..	..	..	..	9,352
15 C.	"	.006	.008	.009	.010	.012	.014	.016	..	..	..	..	..	..	..	9,996
15 D.	"	.006	.008	.009	.011	.014	.017	.019	..	..	..	..	..	..	..	8,885
16 A.	Burneh, Bully, or Bullet Tree.	.004	.006	.007	.008	.010	.012	.014	.016	.019	..	..	..	..	..	12,040
16 B.	"	.004	.005	.006	.008	.009	.010	.011	.013	.016	..	..	..	..	..	12,171
16 C.	"	.004	.005	.006	.007	.008	.010	.012	.014	.016	..	..	..	..	..	12,152
18 A.	Caraba, or Crab Wood	.005	.006	.007	.008	.010	.011	.013	.016	..	..	..	..	..	..	10,288
18 B.	"	.005	.007	.008	.009	.010	.013	..	..	..	..	..	..	..	..	8,652
18 C.	"	.006	.008	.010	.016	..	..	..	..	..	..	..	..	..	..	7,205
20 A.	Cumara, or Tonka	.005	.007	.009	.012	.015	.020	.025	.035	..	..	..	..	..	..	5,796
20 B.	"	.005	.006	.007	.008	.009	.010	.012	.014	.016	.018	..	..	..	..	10,341
20 C.	"	.006	.007	.008	.010	.011	.012	.014	.015	.017	.020	..	..	..	..	13,216
20 D.	"	.004	.006	.007	.008	.010	.011	.013	.015	.018	..	..	..	..	..	13,272
20 D.	"															12,021	
26 Ad.	Hitchia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26 Ab.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26 Ac.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26 Ad.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
29 A.	"	.006	.008	.009	.011	.014	.018	..	..	..	..	..	..	..	..	8,288
29 B.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
29 C.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Not square.

Not square.

Little out of square;
slight shake.

No experiments.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of												Crushing Weight in Pounds.	REMARKS.	
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.			lbs. 15,680.	lbs. 16,800.
BRITISH HONDURAS.																
1 A.	Sircote	·009	·014	·030	..	..	..	..	..	..	..	..	..	..	..	5,572
1 B.	"	·007	·010	·016	·028	·015	·017	·020	·023	·036	·036	..	..	..	..	5,348
1 C.	"	·006	·009	·013	·018	·015	·017	·020	·023	·036	·036	..	..	..	..	5,880
2 A.	Cranadilla	·006	·008	·011	·012	·014	·016	·019	·022	·026	·036	..	..	..	..	11,648
2 B.	"	·006	·008	·009	·012	..	..	..	..	..	..	..	..	..	..	12,908
3 A.	Chicheur	·006	·008	·014	..	..	..	..	..	..	..	..	..	..	..	4,928
3 B.	"	·005	·007	·009	·011	·018	..	..	..	..	..	..	..	..	..	6,888
3 C.	"	·006	·008	·010	·014	·017	..	..	..	..	..	..	..	..	..	6,421
3 D.	"	·006	·008	·009	·012	·017	..	..	..	..	..	..	..	..	..	7,093
4 A.	Canasin	·004	·006	·007	·008	·009	·010	·011	·012	·013	·014	·016	·017	..	..	15,531
4 B.	"	·004	·006	·007	·008	·009	·010	·011	·013	·014	·015	·016	·019	..	..	15,148
6 A.	Chuxxax	·006	·008	·010	·013	·022	..	..	..	..	..	..	..	..	..	6,944
8 A.	Pimento	·007	·008	·010	·013	·016	·019	..	..	..	..	..	..	..	..	8,940
9 A.	Santa-Martia	·007	·009	·013	..	..	..	..	..	..	..	..	..	..	..	5,460
9 B.	"	·007	·010	·016	..	..	..	..	..	..	..	..	..	..	..	4,760
10 A.	Pasak	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10 B.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11 A.	Chucya	·005	·007	·008	·011	·019	·012	·014	·020	..	..	..	..	..	..	7,196
13 A.	Bullet Wood	·005	·006	·008	·009	·010	·012	·015	·037	..	..	..	..	..	..	9,968
13 B.	"	·005	·006	·008	·009	·011	·013	..	..	..	..	..	..	..	..	10,192
14 A.	Tastab	·005	·007	·008	·009	·010	·013	·015	..	..	..	..	..	..	..	8,848
14 B.	"	·006	·008	·009	·010	·014	..	..	..	..	..	..	..	..	..	8,820
15 A.	Mabinjuh, or Mabinjuh	·005	·007	·009	·010	·013	..	..	..	..	..	..	..	..	..	7,784
16 A.	Subin, or Cuban	·004	·006	·007	·009	·012	..	..	..	..	..	..	..	..	..	7,476
16 B.	"	·006	·007	·009	·011	·017	·192	..	..	..	..	..	..	..	..	7,317
17 A.	Sapodilla	·008	·011	·016	·024	·125	..	..	..	..	..	..	..	..	..	8,204
18 A.	Kaskat	·008	·010	·014	·022	..	..	..	..	..	..	..	..	..	..	6,216
21 A.	Caoutchouc	·006	·007	·008	·010	·012	·014	·018	·024	·054	..	..	..	..	..	11,424
21 B.	"	·005	·007	·008	·009	·010	·013	·015	·020	·032	..	..	..	..	..	11,928
21 C.	"	·005	·007	·008	·010	·012	·015	·019	..	..	..	..	..	..	..	9,996
Not quite square.																
Most black vein. Nearer the heart than A. & B.																

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of												Crushing Weight in Pounds.	REMARKS.	
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.			lbs. 15,680.	lbs. 16,800.
EAST INDIA.																
80 A.	-	.005	.007	.008	.009	.010	.012	.014	.015	.017	.020	..	..	..	..	13,356
80 B.	-	.004	.006	.007	.008	.009	.010	.012	.014	.017	.024	..	..	..	..	12,880
86 A.	Woodumpar	.006	.006	.007	.008	.010	.016	..	..	..	..	..	..	..	..	8,036
86 B.	"	.006	.007	.009	.011	.014	..	..	..	..	..	..	..	..	..	7,560
104 A.	-	.005	.006	.008	.009	.011	.013	..	..	..	..	..	..	..	..	8,773
104 B.	-	.003	.007	.009	.010	.012	.014	.016	..	..	..	..	..	..	..	9,744
104 C.	-	.002	.005	.007	.009	.011	.014	.019	..	..	..	..	..	..	..	9,856
140 A.	Sandal Wood	..	..	..	.010	.013	.015	.018	.024	..	..	..	..	..	..	10,360
140 B.	"	.005	.006	.008	.011	.016	.024	.044	..	..	..	..	..	..	..	8,092
144 A.	Bengha	.006	.008	..	..	..	..	..	..	..	..	..	..	..	..	..
145 A.	Bou	..	..	..	.007	.008	.010	.012	..	..	..	..	..	..	..	9,968
147 A.	Terruvah	.004	.005	.006	.007	.009	.010	.013	..	..	..	..	..	..	..	9,296
185 A.	Black Wood	.006	.007	.009	.010	.013	.016	.023	..	..	..	..	..	..	..	5,488
1,214 A.	Doodhee	.006	.009	.012	..	..	..	..	..	..	..	..	..	..	..	6,272
1,215 A.	Karee	.004	.006	.009	.016	..	..	..	..	..	..	..	..	..	..	..
1,219 A.	Toon	..	..	..	.012	.015	.024	.084	..	..	..	..	..	..	..	9,408
1,220 A.	Urjun	.006	.007	.009	.010	.013	.020	..	..	..	..	..	..	..	..	8,624
1,220 B.	"	.005	.006	..	..	..	..	..	..	..	..	..	..	..	..	..
1,771 A.	Toon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1,772 A.	Chump	..	..	..	.010	.011	.011	.013	.014	.017	.021	..	..	..	..	12,880
2,345 A.	Tenasserim Mahogany	.005	.006	.008	.009	..	..	..	..	..	..	..	..	..	..	..
2,462 A.	Below	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2,462 B.	Marabow	.005	.006	.008	.010	..	.012	..	..	..	..	..	..	..	..	8,960
2,463 A.	Pannaga	.005	.007	.009	.011	.014	.020	.027	.030	.034	.039	..	..	..	..	13,300
2,470 A.	Klat Mera	.022	.023	.030	.034	.040	..	..	..	..	..	..	..	..	..	7,504
2,471 A.	Kasso	.003	.004	.005	.006	.007	.008	.009	.010	.012	.015	..	..	..	..	13,216
2,474 A.	Brombong	.004	.006	.008	.009	.011	.014	..	..	..	..	..	..	..	..	8,764
2,476 A.	Marsawa	.006	.008	.009	.012	.018	..	..	..	..	..	..	..	..	..	7,000
2,483 A.	Madang Saraya Batoo	.006	.008	.009	.012	..	..	..	..	..	..	..	..	..	..	6,048
2,490 A.	Niatoo	.005	.007	.011	..	..	..	..	..	..	..	..	..	..	..	5,264
																Little worm-hole.

} No experiments.
 Out of square at one corner.
 Very much out of square.

Not quite square.

No experiment.

Split.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of												Crushing Weight in Pounds.	REMARKS.	
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.			lbs. 15,680.	lbs. 16,800.
EAST INDIA.																
2,493 A.	Klaydang	•007	•009	•011	•014	•016	•019	•028	9,296	Not square.
3,348 A.	Siris	•005	•007	•009	•012	•018	..	..	..	..	..	..	..	..	6,533
3,349 A.	Hurloo	•006	•008	•010	•013	•018	..	..	..	..	..	..	..	..	7,056
3,350 A.	Kain	•007	•009	•012	•015	..	..	..	..	..	..	..	..	..	6,384
3,351 A.	Findar	•006	•009	•014	•040	..	..	..	..	..	..	..	..	..	6,720
3,352 A.	Iymungul	•006	•008	•010	•012	•014	•016	•022	..	..	..	..	..	..	9,035
3,353 A.	Robnee	•007	•010	•014	•020	..	..	..	..	..	..	..	..	..	6,664
3,354 A.	Londya	•006	•007	•009	•013	..	..	..	..	..	..	..	..	..	6,328
3,355 A.	Kardahee	•004	•006	•008	•012	..	..	..	..	..	..	..	..	..	6,688
3,356 A.	Taman	•007	•009	•013	•014	•020	..	..	..	..	..	..	..	..	6,972
3,357 A.	Tine, or Sisso	•005	•006	•009	•013	..	..	..	..	..	..	..	..	..	6,608
3,361 A.	Mowah	•005	•007	•009	•012	•028	..	..	..	..	..	..	..	..	7,317
4,657 A.	Saba Sagoon Teak	•006	•008	•010	•014	..	..	..	..	..	..	..	..	..	6,160
4,658 A.	Puteereca Sagoon	•005	•006	•008	•009	•011	..	..	..	..	..	..	..	..	7,765
4,659 A.	Doodheca Sagoon	•006	•007	•009	•013	..	..	..	..	..	..	..	..	..	8,609
4,660 A.	Surrye	•004	•005	•007	•008	•010	•014	..	..	..	..	..	..	..	6,272
4,661 A.	Jimorasse	•006	•007	•009	•011	•016	..	..	..	..	..	..	..	..	7,131
4,662 A.	Dhengun	•006	•008	•009	•011	•014	..	..	..	..	..	..	..	..	7,420
4,663 A.	Saj	•006	•012	..	..	..	..	..	..	..	..	..	..	..	4,144
4,664 A.	Beelah	•004	•005	•007	•008	•010	•012	•015	..	..	..	..	..	..	9,856
4,665 A.	Kowah	•007	•010	•014	..	..	..	..	..	..	..	..	..	..	5,096
4,666 A.	Ghattoo	•005	•007	•009	•014	..	..	..	..	..	..	..	..	..	6,197
4,667 A.	Trosun	•005	•007	•010	..	..	..	..	..	..	..	..	..	..	5,572
4,668 A.	Dhowrah	•005	•007	•008	•010	•012	•016	..	..	..	..	..	..	..	8,344
4,670 A.	Bher	•008	•011	..	..	..	..	..	..	..	..	..	..	..	4,181
4,671 A.	Baibul	•006	•008	•009	•011	•013	•016	•038	..	..	..	..	..	..	9,072
4,672 A.	Kuhnee	•005	•008	•012	..	..	..	..	..	..	..	..	..	..	5,049
4,754 A.	Iron Wood	•005	•006	•007	•008	•009	•010	•012	•014	•016	•020	..	..	..	12,824
4,754 B.	..	•006	•007	•008	•010	•011	•013	•014	•016	•018	•020	..	..	..	13,272
5,397 A.	Guriga	•007	•009	•012	•016	..	..	..	..	..	..	..	..	..	6,048
5,398 A.	Sal	•004	•005	•006	•007	•008	•010	..	..	..	..	..	..	..	8,624
5,399 A.	Teak, "Sagoon"	•004	•006	•008	•011	..	..	..	..	..	..	..	..	..	6,571

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of												Crushing Weight in Pounds.	REMARKS.	
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.			lbs. 15,680.	lbs. 16,800.
EAST INDIA.																
5,600 A.	Sissoo, Black	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10,584
5,601 A.	Burdur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,540
5,602 A.	Abloos or Kandoo	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,960
5,603 A.	Assan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,532
5,604 A.	Gumbaree	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,608
5,605 A.	Jack "Pumsee"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,132
5,606 A.	Sissoo, Red	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,932
5,607 A.	Peasal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11,816
5,608 A.	Koozoom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,616
5,609 A.	Keelhar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9,154
5,610 A.	Koozoom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,784
5,611 A.	Kokoh	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,608
5,612 A.	Poukthemma-my-ek-kyouk.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,788
5,613 A.	Toukatseet	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,704
5,614 A.	Khyong-yook	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,384
5,615 A.	Nahlay	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,720
5,616 A.	Titseim	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,845
5,617 A.	Pangah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,243
5,618 A.	Lein	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,558
5,619 A.	Jurai	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5,620 A.	Gaham Bada	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9,940
5,621 A.	Rungas	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,680
5,622 A.	Ba-babi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9,744
5,623 A.	Bahkoh	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5,624 A.	Murbow	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,848
5,625 A.	Klat	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,728
5,626 A.	Jermalang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,796
5,627 A.	Sittola	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4,760
5,628 A.	Dammer-laut	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9,576
5,629 A.	Bintaling	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5,630 A.	Kumpas	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,688
5,631 A.	Madang-Serai	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,840

Not square.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of													Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.			lbs. 16,800.
EAST INDIA.																
7,098 A.	Gading-gading	·004	·006	·007	·009	·010	·014	8,960	Symptoms of dry rot.
7,234 A.	"	·005	·008	·012	·038	..	..	..	..	..	..	..	..	..	5,936
7,234 B.	"	·006	·008	·010	·020	·014	..	..	..	..	..	..	..	..	5,936
7,514 A.	Sakhor	·005	·006	·008	·010	·014	..	..	..	..	..	..	..	..	7,476
7,514 B.	"	·004	·006	·007	·009	·010	·015	..	..	..	..	..	..	..	8,024
7,515 A.	"	·006	·007	·010	·017	..	..	..	..	..	..	..	..	..	5,786
7,517 A.	Toon	·004	·006	·008	·014	..	..	..	..	..	..	..	..	..	5,880
7,520 A.	"	·006	·008	·010	·013	·019	..	..	..	..	..	..	..	..	7,384
7,522 A.	Arar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
7,524 A.	Kaitha	·004	·006	·009	·014	..	..	..	..	..	..	..	..	..	6,160
7,525 A.	Aum	·007	·009	·013	..	..	..	..	..	..	..	..	..	..	5,376
7,527 A.	Reem	·004	·006	·008	·010	·017	..	..	..	..	..	..	..	..	7,056
7,529 A.	Asua or Asan	·004	·005	·006	·008	·009	·013	..	..	..	..	..	..	..	8,512
7,531 A.	"	·006	·008	·010	·014	..	..	..	..	..	..	..	..	..	6,884
7,618 A.	Thin Gan	·007	·010	·014	..	..	..	..	..	..	..	..	..	..	5,376
7,619 A.	Ah Nan	·007	·009	·012	·016	..	..	..	..	..	..	..	..	..	6,160
7,619 B.	"	·006	·008	·010	·014	..	..	..	..	..	..	..	..	..	6,197
7,622 A.	Oak An	·004	·006	·008	·009	·012	..	..	..	..	..	..	..	..	7,588
7,622 B.	"	·006	·008	·010	·013	·017	·024	..	..	..	..	..	..	..	8,027
7,622 C.	"	·006	·008	·010	·014	·017	..	..	..	..	..	..	..	..	7,784
7,622 D.	"	·007	·009	·012	·014	·023	..	..	..	..	..	..	..	..	8,497
7,629 A.	Bom Mai Za	·006	·008	·010	·012	·014	·019	·012	·014	·016	·018	..	..	..	13,608
7,629 B.	"	·003	·006	·008	·009	·010	·014	·008	·010	·011	..	..	..	..	8,497
7,655 A.	Dhane Eha	·008	·010	·022	..	..	..	..	..	..	..	..	..	..	4,704
7,655 B.	"	·006	·012	·021	..	..	..	..	..	..	..	..	..	..	4,816
7,674 A.	Tonk Tsa	·006	·007	·010	..	..	..	..	..	..	..	..	..	..	5,488
7,674 B.	"	·006	·008	·010	·012	..	..	..	..	..	..	..	..	..	7,952
7,677 A.	Tseck Tha	·006	·009	·013	·025	·014	·027	..	..	..	..	..	..	..	5,824
7,677 B.	"	·003	·008	·015	..	..	..	..	..	..	..	..	..	..	4,816
9,238 A.	Bayang Bada	·004	·006	·008	·012	..	..	..	..	..	..	..	..	..	6,440
9,240 A.	Brangan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Symptoms of dry rot.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of													Crushing Weight in Pounds.	REMARKS.	
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.			lbs. 16,800.
EAST INDIA.																	
9,247 A.	Philibeet	6,608	No experiments.
10,221 A.	Saul	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,588
10,225 A.	Sissoo	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,344
10,226 A.	Petroom	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,652
10,348 A.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,960
10,348 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,765
10,349 A.	Dwa-nee	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,384
10,349 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,363
10,352 A.	Eng	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,689
10,352 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,728
10,354 A.	Thingan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,840
10,354 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,213
10,355 A.	Thingadoo	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,400
10,355 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,700
10,356 A.	Engyin	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,344
10,356 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,968
10,357 A.	Theya	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12,298
10,358 A.	Gangan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10,668
10,358 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,000
10,359 A.	Toung-tha-lay	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,683
10,359 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,421
10,361 A.	Poonyet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,272
10,361 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,301
10,362 A.	Gyo	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,301
10,362 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,028
10,364 A.	Pinlay-ong	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10,364 B.	Yinma	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10,366 A.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,112
10,367 A.	Broomayza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,856
10,367 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15,120
10,373 A.	Gnoo-shwoay	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,504
10,373 B.	May-na-lee	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,512
10,375 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

No experiments.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,490.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
EAST INDIA.																	
10,376 A.	Yin-dike	•006	•007	•008	•010	•012	•014	•018	•014	•012	•014	•018	•012	•014	•018	9,893	
10,379 A.	Padouk	•004	•005	•006	•007	•008	•010	•012	•010	•008	•010	•012	•010	•012	•014	10,976	
10,379 B.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
10,380 A.	Kokoli	•006	•008	•009	•012	•013	•016	•018	•014	•012	•014	•018	•012	•014	•018	6,571	
10,382 A.	Poukthemma kyouk.	•005	•007	•009	•010	•013	•016	•018	•014	•012	•014	•018	•012	•014	•018	8,587	
10,384 A.	Thitsee	•005	•006	•008	•009	•010	•013	•016	•014	•012	•014	•018	•012	•014	•018	9,352	
10,386 A.	Nabhai	•004	•006	•008	•009	•010	•013	•016	•014	•012	•014	•018	•012	•014	•018	7,019	
10,388 A.	Pangah	•005	•006	•007	•008	•010	•011	•013	•011	•012	•013	•016	•011	•013	•019	10,276	
10,390 A.	Kroukryan	•006	•008	•009	•011	•013	•015	•023	•013	•015	•015	•023	•013	•015	•023	9,996	
10,390 B.	—	•004	•006	•007	•008	•010	•012	•017	•008	•010	•012	•017	•008	•010	•012	9,352	
10,393 A.	Bamboy	•005	•008	•009	•012	•032	•012	•032	•007	•008	•010	•012	•007	•008	•010	9,296	
10,393 B.	—	•005	•008	•012	•027	•012	•027	•012	•008	•010	•012	•027	•008	•010	•012	6,832	
10,394 A.	Thabyehgio	•006	•008	•010	•014	•012	•014	•018	•008	•010	•012	•018	•008	•010	•012	5,936	
10,397 A.	—	•006	•008	•009	•012	•012	•012	•018	•008	•010	•012	•018	•008	•010	•012	6,421	
10,399 A.	Thabyehgio	•009	•013	•018	•024	•032	•040	•040	•013	•018	•024	•032	•013	•018	•024	6,720	
10,399 B.	Laizah	•005	•006	•008	•010	•013	•016	•018	•006	•008	•010	•013	•006	•008	•010	8,568	
10,405 A.	Hnan	•006	•008	•010	•013	•016	•018	•022	•006	•008	•010	•013	•006	•008	•010	6,645	
10,405 B.	—	•006	•008	•009	•013	•016	•018	•022	•006	•008	•010	•013	•006	•008	•010	7,224	
10,406 A.	Ringah	•006	•007	•009	•010	•012	•016	•018	•006	•008	•010	•013	•006	•008	•010	7,000	
10,406 B.	—	•006	•007	•009	•012	•016	•018	•022	•006	•008	•010	•013	•006	•008	•010	7,616	
10,409 A.	Htein	•006	•007	•009	•010	•013	•018	•022	•006	•008	•010	•013	•006	•008	•010	7,728	
10,409 B.	—	•006	•011	•018	•013	•018	•022	•025	•006	•008	•010	•013	•006	•008	•010	8,260	
10,410 A.	Hteingalah	•006	•008	•010	•013	•018	•022	•025	•006	•008	•010	•013	•006	•008	•010	5,984	
10,410 B.	—	•007	•009	•012	•014	•018	•025	•028	•007	•009	•012	•014	•007	•009	•012	6,636	
10,415 A.	Khaboung	•010	•018	•033	•018	•028	•035	•038	•010	•018	•028	•035	•010	•018	•028	8,456	
10,416 A.	Young-za-lat	•004	•006	•007	•009	•012	•014	•018	•004	•006	•007	•009	•012	•014	•018	4,732	
10,416 B.	—	•006	•008	•009	•011	•014	•018	•022	•006	•008	•009	•011	•014	•018	•022	7,560	
10,417 A.	Pact-thian	•006	•008	•010	•014	•018	•022	•025	•006	•008	•010	•014	•018	•022	•025	7,504	
10,419 A.	Tha-khoot-ma	•007	•008	•011	•015	•019	•023	•028	•007	•008	•011	•015	•019	•023	•028	7,224	
10,419 B.	—	•008	•011	•016	•020	•024	•028	•032	•008	•011	•016	•020	•024	•028	•032	5,339	
	"	•008	•011	•016	•020	•024	•028	•032	•008	•011	•016	•020	•024	•028	•032	5,124	

Not square.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of												Crushing Weight in Pounds.	REMARKS.	
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.			lbs. 15,680.	lbs. 16,800.
EAST INDIA.																
10,420 A.	Than-day	•005	•007	•008	•010	•012	•013	—	—	—	—	—	—	—	8,437	No experiment.
10,420 B.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bad symptoms of dry [rot.
10,421 A.	Kyoun-douk	•010	•008	•010	•012	•014	•016	•017	•018	•019	•020	•021	•022	•023	•024	Do.
10,422 A.	Thanat	•005	•007	•008	•010	•012	•014	•016	•018	•020	•022	•024	•026	•028	•030	6,645
10,422 B.	"	•007	•008	•010	•012	•014	•016	•018	•020	•022	•024	•026	•028	•030	•032	6,580
10,423 A.	Kuyon Teak	•008	•009	•012	•014	•016	•018	•020	•022	•024	•026	•028	•030	•032	•034	6,608
10,423 B.	"	•005	•006	•008	•010	•012	•014	•016	•018	•020	•022	•024	•026	•028	•030	3,976
10,423 C.	"	•010	•014	•016	•020	•024	•028	•032	•036	•040	•044	•048	•052	•056	•060	4,928
10,427 A.	Yemaneh	•007	•009	•013	•017	•021	•025	•029	•033	•037	•041	•045	•049	•053	•057	3,547
10,427 B.	"	•010	•030	•030	•030	•030	•030	•030	•030	•030	•030	•030	•030	•030	•030	—
10,429 A.	Monakha	•006	•008	•010	•013	•016	•019	•022	•025	•028	•031	•034	•037	•040	•043	6,608
10,430 A.	Toumben	•006	•008	•010	•013	•016	•019	•022	•025	•028	•031	•034	•037	•040	•043	8,764
10,430 B.	"	•005	•006	•007	•009	•011	•014	•017	•020	•023	•026	•029	•032	•035	•038	6,356
10,430 C.	Theetmin	•006	•008	•011	•015	•019	•023	•027	•031	•035	•039	•043	•047	•051	•055	5,124
10,431 A.	Tinyoben	•008	•010	•015	•020	•025	•030	•035	•040	•045	•050	•055	•060	•065	•070	4,144
10,435 B.	"	•006	•010	•015	•020	•025	•030	•035	•040	•045	•050	•055	•060	•065	•070	4,405
10,438 A.	Nasha	•008	•012	•017	•022	•027	•032	•037	•042	•047	•052	•057	•062	•067	•072	4,256
10,438 B.	"	•007	•010	•013	•016	•019	•022	•025	•028	•031	•034	•037	•040	•043	•046	9,072
10,438 C.	"	•008	•013	•018	•023	•028	•033	•038	•043	•048	•053	•058	•063	•068	•073	—
10,440 A.	Banau	•008	•013	•018	•023	•028	•033	•038	•043	•048	•053	•058	•063	•068	•073	—
10,465 A.	Dedcap Tha	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10,465 B.	"	•006	•007	•009	•011	•014	•018	•021	•024	•027	•030	•033	•036	•039	•042	8,652
10,475 A.	Mance Auka	•006	•008	•010	•013	•016	•019	•022	•025	•028	•031	•034	•037	•040	•043	7,616
10,475 B.	"	•005	•007	•009	•012	•015	•018	•021	•024	•027	•030	•033	•036	•039	•042	6,664
10,476 A.	Ngoo Tha	•006	•008	•010	•013	•016	•019	•022	•025	•028	•031	•034	•037	•040	•043	5,124
10,476 B.	"	•006	•008	•010	•013	•016	•019	•022	•025	•028	•031	•034	•037	•040	•043	7,304
10,476 C.	"	•006	•007	•008	•010	•012	•014	•016	•018	•020	•022	•024	•026	•028	•030	8,512
10,477 A.	Kay Yooob	•006	•008	•009	•011	•014	•018	•021	•024	•027	•030	•033	•036	•039	•042	—
10,477 B.	"	•006	•008	•010	•013	•016	•019	•022	•025	•028	•031	•034	•037	•040	•043	7,756
10,477 C.	"	•005	•007	•008	•010	•012	•014	•016	•018	•020	•022	•024	•026	•028	•030	9,931
10,478 A.	Nat G'yeec	•006	•008	•010	•012	•015	•018	•021	•024	•027	•030	•033	•036	•039	•042	Split a little in one corner.
10,478 B.	"	•007	•009	•012	•016	•020	•025	•030	•035	•040	•045	•050	•055	•060	•065	8,456

TABLE IV.--continued.

No. of Specimen.		Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
			lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
EAST INDIA																		
10,478 C.		Nat Ghee -	.005	.006	.008	.009	.012	.018	..	..	..	..	..	..	..	8,680
10,482 A.		Pune Tha	.006	.007	.009	.010	.013	.018	..	..	..	..	..	..	..	8,344
10,482 B.		"	.004	.006	.007	.008	.012	.016	..	..	..	.023	..	..	..	8,512
10,485 A.		Padouk	.006	.007	.008	.010	.011	.012	.014	.015	.017	.019	.018	..	..	14,075
10,485 B.		"	.004	.005	.006	.008	.009	.010	.011	.012	.014	.016	..	..	..	14,373
10,485 C.		"	.004	.005	.006	.008	.009	.010	.011	.013	.015	.018	..	..	..	13,152
10,489 A.		Kya Ya	.007	.008	.010	.013	.015	.017	.020	..	..	..	..	..	..	9,940
10,489 B.		"	.006	.007	.009	.011	.013	.016	.020	..	..	..	..	..	..	9,520
10,491 A.		Zangycoot-doup (Oak-leaved Polypod).	.007	.008	.010	.012	.014	.017	.020	..	..	..	..	..	..	9,156
10,491 B.		"	.004	.005	.006	.008	.009	.010	.014	..	..	..	..	..	..	9,333
HUNGARY.																		
1 A.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1 B.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1 C.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1 D.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2 A.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2 B.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2 C.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2 D.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 A.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 B.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 C.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 D.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 A.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 B.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 C.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 D.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5 A.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5 B.		"	..	..	..	..	..	..	..	..	..	..	..	..	..	..

No experiments.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.			
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.			lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.
JAMAICA.																
189 B.	Jack Fruit	•008	•010	•015	•010	•010	•010	•010	•010	•010	•010	•010	•010	•010	•010	5,516
189 C.	"	•005	•007	•008	•010	•010	•010	•010	•010	•010	•010	•010	•010	•010	•010	6,608
189 D.	"	•006	•008	•010	•014	•013	•018	•018	•018	•018	•018	•018	•018	•018	•018	6,085
201 A.	Red Candle Wood	•005	•007	•008	•009	•010	•012	•016	•006	•006	•006	•006	•006	•006	•006	9,408
201 B.	"	•006	•008	•009	•011	•014	•022	•016	•006	•006	•006	•006	•006	•006	•006	8,844
201 C.	"	•006	•008	•009	•011	•014	•018	•018	•006	•006	•006	•006	•006	•006	•006	8,475
201 D.	"	•006	•008	•009	•011	•014	•018	•018	•006	•006	•006	•006	•006	•006	•006	8,792
210 A.	"	•006	•008	•009	•011	•014	•018	•018	•006	•006	•006	•006	•006	•006	•006	8,792
210 B.	"	•008	•011	•016	•019	•024	•018	•018	•006	•006	•006	•006	•006	•006	•006	7,812
210 C.	"	•006	•007	•008	•010	•013	•024	•014	•013	•014	•016	•018	•021	•026	•026	7,840
212 A.	Jamaica Ebony	•005	•006	•008	•009	•010	•011	•011	•013	•014	•016	•018	•021	•026	•026	15,568
212 B.	"	•004	•005	•007	•008	•009	•010	•011	•011	•012	•014	•016	•023	•023	•023	13,963
216 A.	Dog Wood	•004	•006	•007	•008	•009	•011	•014	•018	•018	•018	•018	•018	•018	•018	10,598
216 B.	"	•005	•006	•008	•009	•011	•014	•018	•018	•018	•018	•018	•018	•018	•018	9,912
216 C.	"	•004	•005	•007	•008	•009	•010	•012	•010	•012	•015	•018	•018	•018	•018	13,272
216 D.	"	•004	•005	•006	•007	•009	•010	•012	•012	•014	•018	•018	•018	•018	•018	12,171
218 A.	"	•004	•006	•008	•010	•012	•014	•014	•014	•016	•018	•018	•018	•018	•018	7,429
218 B.	"	•005	•006	•008	•010	•012	•016	•016	•016	•018	•022	•022	•022	•022	•022	8,661
223 A.	Brazilletto	•002	•003	•004	•006	•007	•008	•009	•009	•010	•013	•013	•013	•013	•013	12,245
223 B.	"	•003	•007	•008	•010	•012	•014	•014	•016	•018	•022	•022	•022	•022	•022	12,684
223 C.	"	•003	•004	•006	•007	•008	•009	•009	•010	•012	•014	•014	•014	•014	•014	12,283
223 D.	"	•004	•006	•007	•008	•009	•010	•012	•012	•014	•016	•016	•016	•016	•016	12,264
228 A.	Yellow Candle Wood	•007	•010	•012	•014	•017	•020	•011	•014	•016	•016	•016	•016	•016	•016	8,736
228 B.	"	•004	•005	•006	•008	•009	•011	•011	•011	•011	•011	•011	•011	•011	•011	9,604
236 A.	South-American Aca- cia.	•012	•018	•018	•018	•018	•018	•018	•018	•018	•018	•018	•018	•018	•018	4,088
236 B.	"	•008	•011	•011	•011	•011	•011	•011	•011	•011	•011	•011	•011	•011	•011	4,284
236 C.	"	•008	•014	•014	•014	•014	•014	•014	•014	•014	•014	•014	•014	•014	•014	4,032
252 A.	White Mangrove	•006	•008	•010	•014	•014	•014	•014	•014	•014	•014	•014	•014	•014	•014	6,309
252 B.	"	•008	•010	•013	•017	•017	•017	•017	•017	•017	•017	•017	•017	•017	•017	6,384
252 C.	"	•005	•007	•009	•017	•017	•017	•017	•017	•017	•017	•017	•017	•017	•017	5,899

Symptoms of dry rot.
Do.
Symptoms of dry rot.
Do.
Symptoms of dry rot.
Do.
Put in the other way
up to 14 ton.

TABLE IV.—continued.

No. of Specimen.		Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.	
			lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.			
JAMAICA.																			
White Bully Tree																			
267 A.	"	"	*003	*007	*008	*010	*013	*019	..	..	..	..	..	..	..	..	8,400
267 B.	"	"	*004	*006	*007	*009	*012	*026	..	..	..	..	..	..	..	..	7,952
267 C.	"	"	*007	*009	*010	*013	*017	..	..	..	..	..	..	..	..	..	7,280
Tecoma stans																			
267 D.	"	"	*005	*006	*007	*008	*010	*018	..	..	..	..	..	..	..	..	8,288
284 A.	"	"	*007	*008	*010	*012	*015	..	..	..	..	..	..	..	..	..	7,532
284 B.	"	"	*007	*009	*012	*015	*023	..	..	..	..	..	..	..	..	..	6,804
297 A.	"	Red "Heart"	*005	*007	*008	*009	*010	*012	*013	*015	*017	*021	..	..	..	..	12,768
297 B.	"	"	*005	*006	*007	*008	*009	*010	*012	*013	*015	*020	..	..	..	..	12,432
297 C.	"	"	*005	*005	*007	*008	*009	*010	*012	*013	*014	*016	*018	..	..	..	14,280
297 D.	"	"	*006	*008	*009	*010	*012	*013	*014	*016	*018	*024	..	..	..	..	12,320
312 A.	"	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
312 B.	"	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
312 C.	"	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Section of Cocoa Nut																			
319 Aa.	"	"	*005	*005	*007	*008	*010	*011	*012	*014	*018	*027	..	..	..	..	12,936
319 Ab.	"	"	*004	*006	*007	*008	*009	*010	*012	*015	*018	*022	*026	..	..	..	14,028
319 Ba.	"	"	*004	*005	*007	*009	*011	*013	..	..	..	..	..	..	..	..	8,288
319 Bb.	"	"	*004	*005	*006	*008	*010	..	..	..	..	..	..	..	..	..	7,803
319 Bc.	"	"	*005	*006	*007	*009	*011	*017	..	..	..	..	..	..	..	..	8,363
319 Bd.	"	"	*004	*006	*007	*008	*009	*010	*013	*016	..	..	..	..	..	..	10,612
319 Ca.	"	"	*004	*005	*006	*008	*009	*010	*014	..	..	..	..	..	..	..	10,024
319 Cb.	"	"	*006	*007	*008	*010	*012	*013	*015	*020	..	..	..	..	..	..	10,491
319 Cc.	"	"	*006	*008	*009	*010	*012	*014	*015	*016	*018	*024	..	..	..	..	13,188
319 Ea.	"	"	*008	*010	*015	*018	*023	*028	*033	*038	*046	..	..	..	..	..	12,264
319 Eb.	"	"	*008	*010	*015	*018	*023	*028	*033	*038	*046	..	..	..	..	..	7,826
320 A.	"	Yoke Wood	*002	*004	*006	*008	*012	..	..	..	..	..	..	..	..	..	7,392
320 B.	"	"	*005	*007	*008	*011	*017	..	..	..	..	..	..	..	..	..	5,544
324 A.	"	Santa-Maria	*007	*009	*014	..	..	..	..	..	..	..	..	..	..	..	5,320
324 B.	"	"	*006	*008	*010	..	..	..	..	..	..	..	..	..	..	..	7,616
326 A.	"	Red Wood	*009	*012	*014	*018	*022	..	..	..	..	..	..	..	..	..	7,392
326 B.	"	"	*007	*009	*010	*013	*017	..	..	..	..	..	..	..	..	..	9,240
328 A.	"	Black Bullet Tree	*005	*006	*007	*009	*010	*012	*017	..	..	..	..	..	..	..	..

} No experiments.

Very much out of square.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of												Crushing Weight in Pounds.	REMARKS.	
		lbs., 2,240.	lbs., 3,360.	lbs., 4,480.	lbs., 5,600.	lbs., 6,720.	lbs., 7,840.	lbs., 8,960.	lbs., 10,080.	lbs., 11,200.	lbs., 12,320.	lbs., 13,440.	lbs., 14,560.			lbs., 15,680.	lbs., 16,800.
JAMAICA.																
328 B.	Black Bullet Tree	•007	•009	•012	•014	•017	•022	..	..	..	..	..	..	..	..	8,624
329 A.	Galla Pear	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
329 B.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
329 C.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
332 A.	Hog-berry	•006	•008	•010	•012	•016	•025	..	..	..	..	..	..	..	..	8,101
332 B.	"	•006	•008	•010	•014	..	..	..	..	..	..	..	..	..	..	6,440
332 C.	"	•006	•007	•008	•010	•016	..	..	..	..	..	..	..	..	..	7,056
332 D.	"	•005	•006	•008	•010	..	..	..	..	..	..	..	..	..	..	6,533
338 A.	Spanish Elm	•006	•007	•009	•012	•018	..	..	..	..	..	..	..	..	..	7,280
338 B.	"	•007	•009	•013	•022	..	..	..	..	..	..	..	..	..	..	5,973
338 C.	"	•006	•008	•010	•012	•017	..	..	..	..	..	..	..	..	..	7,560
339 A.	Naseberry Bullet Tree	•005	•006	•008	•009	•010	•012	•014	•015	•021	..	..	..	..	..	11,592
339 B.	"	•005	•006	•007	•009	•010	•012	•016	•015	•026	..	..	..	..	..	9,968
339 C.	"	•004	•005	•006	•007	•008	•010	•012	•013	•022	..	..	..	..	..	11,424
339 D.	"	•005	•006	•007	•008	•010	•011	•013	•017	•021	..	..	..	..	..	10,360
341 A.	Ironwood	•005	•007	•008	•009	•010	•012	•014	•017	•021	..	..	..	..	..	13,216
343 A.	Cassada Wood	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
343 B.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
343 C.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
345 A.	Wild Orange	•005	•006	•008	•009	•010	•012	•014	•016	•020	..	..	..	..	..	13,171
345 B.	"	•006	•008	•010	•013	•016	•020	•022	•026	•030	..	..	..	..	..	13,180
350 A.	Green Heart	•006	•008	•009	•010	•012	•014	•016	•018	..	..	..	..	..	..	10,976
350 B.	"	•006	•007	•008	•010	•012	•014	•016	•019	..	..	..	..	..	..	11,144
351 A.	Musk Wood	•007	•009	•014	..	..	..	..	..	..	..	..	..	..	..	5,292
354 A.	Sweet Wood	•006	•007	•009	•011	•015	..	..	..	..	..	..	..	..	..	7,691
354 B.	"	•007	•009	•012	•016	•020	..	..	..	..	..	..	..	..	..	7,616
355 A.	Black Rosewood	•006	•008	•010	•012	•014	•016	•018	•022	..	..	..	..	..	..	11,032
355 B.	"	•006	•007	•008	•010	•012	•014	•015	•018	•024	..	..	..	..	..	11,648
358 A.	White Rosewood	•004	•005	•006	•007	•008	•010	•012	..	..	..	..	..	..	..	9,968
358 B.	"	•006	•009	•012	•016	•020	•028	..	..	..	..	..	..	..	..	8,699
358 C.	"	•006	•007	•009	•010	•012	•014	•016	•022	..	..	..	..	..	..	10,304
363 A.	Beech Wood	•005	•006	•008	•010	•015	•123	..	..	..	..	..	..	..	..	8,092

TABLE IV.—continued.

TABLE IV.—continued.																	
No. of Specimen.	Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
JAMAICA.																	
365 A.	Wild Cinnamon	.004	.006	.007	.008	.010	..	..	..	..	..	..	..	..	..	7,765
365 B.	White Cedar	.006	.008	.010	.015	..	..	..	..	..	..	..	..	..	..	6,197
367 B.	White Torch	.008	.008	..	..	..	..	..	..	..	..	..	..	..	..	3,836
371 A.	"	.010	.012	.015	.017	.019	.022	.027	..	..	..	..	..	..	..	3,360
371 B.	"	.005	.006	.008	.009	.010	.012	.015	..	..	..	..	..	..	..	9,259
371 C.	"	.005	.006	.008	.009	.011	.014	..	..	..	..	..	..	..	..	9,856
371 D.	"	.005	.006	.008	.009	.010	.012	.014	..	..	..	..	..	..	..	8,736
372 A.	Beef Apple	.006	.007	.008	.009	.010	.012	..	..	..	..	..	..	..	..	9,893
372 B.	"	.006	.008	.010	.013	..	..	..	..	..	..	..	..	..	..	7,504
376 A.	Blood-red Wood	.016	.021	.023	.030	.044	..	..	..	..	..	..	..	..	..	6,981
378 A.	Fig Tree, Wild	.006	.008	.010	.014	..	..	..	..	..	..	..	..	..	..	6,384
384 A.	Black Mahogany	.006	.007	.009	.011	.015	..	..	..	..	..	..	..	..	..	7,429
384 B.	Blood-red Wood.	..	.008	.010	.012	..	..	..	..	..	..	..	..	..	..	6,533
384 C.	"	.005	.006	.008	.010	.016	..	..	..	..	..	..	..	..	..	6,981
384 D.	"	.003	.006	.009	.013	.018	..	..	..	..	..	..	..	..	..	7,728
407 A.	Star Apple	.005	.007	.008	.012	..	..	..	..	..	..	..	..	..	..	6,628
		.006	.008	.009	.011	.013	.018	..	..	..	..	..	..	..	..	8,624
LIBERIA.																	
7 A.	Whismore	.006	.007	.009	.013	..	..	..	..	..	..	..	..	..	..	6,309
7 B.	"	.005	.006	.008	.010	.012	..	..	..	..	..	..	..	..	..	7,616
7 C.	"	.007	.008	.010	.015	..	..	..	..	..	..	..	..	..	..	5,936
10 A.	Cedar	.006	.008	.009	.010	.012	.014	.016	.018	.022	..	..	..	..	..	11,584
10 B.	"	.005	.006	.008	.009	.011	.013	.015	.017	.020	..	..	..	..	..	11,835
10 C.	"	.006	.007	.008	.010	.011	.013	.015	.017	.020	.029	..	..	..	..	12,824
11 A.	Black Gum	.004	.006	.007	.008	.010	.012	.014	.018	..	..	..	..	..	..	10,612
11 B.	"	.005	.006	.007	.008	.009	.010	.012	.013	.015	..	..	..	..	..	12,152
11 C.	"	.005	.007	.008	.010	.012	.015	.021	..	..	..	..	..	..	..	9,296
															Furthest from heart. Nearest heart. Between two specimens.		

TABLE IV.—continued.

[illegible]

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
NEW SOUTH WALES, N.																	
63 A.	Bastard Myall	.007	.010	.012	.015	.012	.016	.018	.018	.016	.022	.016	.019	.016	.022	6,692	
66 B.	"	.006	.007	.008	.010	.010	.012	.012	.012	.012	.012	.012	.012	.012	.012	8,400	
67 A.	"	.004	.005	.006	.008	.010	.012	.018	.018	.016	.022	.016	.019	.016	.022	9,436	
67 B.	"	.006	.007	.008	.010	.012	.017	.017	.017	.016	.022	.016	.019	.016	.022	8,428	
68 A.	"	.010	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	3,896	
68 B.	"	.009	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	4,116	
69 A.	"	.005	.006	.008	.010	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	7,131	
69 B.	"	.006	.008	.010	.016	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	6,328	
71 A.	Swamp Oak	.006	.007	.008	.010	.013	.019	.019	.019	.019	.019	.019	.019	.019	.019	7,924	
71 B.	"	.005	.006	.007	.008	.010	.012	.014	.014	.014	.014	.014	.014	.014	.014	7,728	
74 A.	White Myrtle	.005	.006	.007	.008	.010	.014	.014	.014	.014	.014	.014	.014	.014	.014	8,400	
74 B.	"	.004	.006	.007	.009	.012	.019	.019	.019	.019	.019	.019	.019	.019	.019	8,120	
77 A.	Iron Bark of the Clarence	.005	.006	.007	.008	.010	.012	.015	.015	.015	.015	.015	.015	.015	.015	12,320	
77 B.	"	.005	.007	.008	.010	.014	.016	.020	.016	.016	.022	.016	.019	.016	.022	12,208	
84 A.	Marblewood	.006	.007	.009	.011	.014	.016	.020	.016	.016	.022	.016	.019	.016	.022	9,520	
84 B.	"	.005	.006	.007	.009	.010	.013	.013	.013	.013	.013	.013	.013	.013	.013	8,904	
88 A.	"	.004	.006	.007	.008	.010	.013	.013	.013	.013	.013	.013	.013	.013	.013	8,624	
88 B.	"	.004	.005	.006	.007	.009	.012	.012	.012	.012	.012	.012	.012	.012	.012	8,632	
89 A.	"	.004	.005	.006	.008	.010	.013	.032	.013	.013	.013	.013	.013	.013	.013	8,900	
89 B.	"	.005	.007	.008	.010	.012	.016	.016	.016	.016	.016	.016	.016	.016	.016	8,624	
93 A.	"	.007	.009	.012	.012	.012	.016	.016	.016	.016	.016	.016	.016	.016	.016	8,624	
93 B.	"	.006	.007	.009	.012	.012	.016	.016	.016	.016	.016	.016	.016	.016	.016	8,624	
102 A.	Flooded Gum	.006	.007	.009	.010	.013	.015	.015	.015	.015	.015	.015	.015	.015	.015	6,216	
102 B.	"	.004	.006	.007	.009	.012	.014	.014	.014	.014	.014	.014	.014	.014	.014	7,803	
102 C.	"	.004	.006	.007	.008	.010	.014	.014	.014	.014	.014	.014	.014	.014	.014	7,840	
102 D.	"	.002	.004	.005	.007	.009	.011	.011	.011	.011	.011	.011	.011	.011	.011	8,344	
103 A.	Grey Gum	.007	.009	.011	.013	.015	.018	.018	.018	.018	.018	.018	.018	.018	.018	7,812	
103 B.	"	.010	.016	.020	.024	.027	.033	.040	.033	.033	.033	.033	.033	.033	.033	8,960	
104 A.	Bitter Bark	.006	.008	.010	.014	.020	.026	.026	.026	.026	.026	.026	.026	.026	.026	9,235	
104 B.	"	.006	.007	.009	.012	.020	.026	.026	.026	.026	.026	.026	.026	.026	.026	6,804	
105 A.	Light Yellow Wood	.003	.007	.009	.013	.016	.026	.026	.026	.026	.026	.026	.026	.026	.026	6,720	
105 B.	"	.006	.008	.010	.012	.015	.015	.015	.015	.015	.015	.015	.015	.015	.015	7,579	
Not square.																	

Not square.

TABLE IV.—continued.

No. of Specimen.		Local Name.	Compression at a Weight of															Crushing Weight in Pounds.	REMARKS.
			lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	16,800.			
NEW SOUTH WALES, N.																			
106 A.		Ironwood	.006	.008	.009	.010	.012	.014	.016	..	..	..	..	..	..	..	10,080	
106 B.		"	.004	.005	.006	.007	.008	.010	.012	..	..	..	..	..	..	..	9,968	
109 A.		Swamp Mahogany	.007	.009	.010	.013	.016	..	..	..	..	..	..	..	..	..	7,504	
111 A.		Water Gum	.006	.007	.010	.015	..	..	..	..	..	..	..	..	..	..	6,384	
111 B.		"	.006	.009	.012	.018	..	..	..	..	..	..	..	..	..	..	8,400	
111 C.		"	.006	.008	.012	.018	..	..	..	..	..	..	..	..	..	..	6,160	
111 D.		"	.008	.010	.013	.018	..	..	..	..	..	..	..	..	..	..	6,384	
114 A.		Brush Iron Bark	.007	.009	.012	.018	..	..	..	..	..	..	..	..	..	..	6,272	
114 B.		"	.005	.006	.008	.011	.019	..	..	..	..	..	..	..	..	..	7,000	
		"	.007	.009	.013	.020	..	..	..	..	..	..	..	..	..	..	6,244	
NEW SOUTH WALES, S.																			
1 A.		White or Pale Iron Bark	.006	.007	.009	.010	.012	.013	.015	.016	.019	.024	..	..	..	..	12,320	
1 B.		"	.005	.006	.007	.008	.009	.010	.011	.012	.014	.015	..	..	..	..	14,366	
1 C.		"	.006	.008	.009	.010	.012	.013	.015	.016	.017	.020	..	..	..	..	13,384	
1 D.		"	.005	.006	.008	.009	.010	.012	.013	.014	.016	.018	..	..	..	..	13,328	
2 A.		White Iron Bark	.005	.006	.008	.009	.010	.012	.014	..	..	..	..	..	..	..	10,024	
2 B.		"	.005	.006	.008	.009	.010	.012	.013	.014	..	..	..	..	..	..	10,640	
3 A.		Iron Bark	.005	.006	.008	.009	.010	.012	.014	.018	..	..	..	..	..	..	10,640	
3 B.		"	.005	.007	.009	.010	.012	.015	.020	..	..	..	..	..	..	..	10,640	
3 C.		"	.005	.006	.008	.009	.010	.012	.014	.018	..	..	..	..	..	..	10,640	
4 A.		Broad-leaved Rough Iron Bark.	.006	.007	.009	.010	.011	.014	.017	..	..	..	..	..	..	..	9,856	
4 B.		"	.008	.011	.013	.016	.019	.023	.046	..	..	..	..	..	..	..	8,988	
4 C.		"	.006	.007	.009	.010	.012	.014	.019	..	..	..	..	..	..	..	9,332	
4 D.		"	.006	.008	.010	.012	.014	.016	.021	..	..	..	..	..	..	..	9,408	
5 A.		Iron Bark	.005	.007	.009	.011	.014	.016	.019	.023	..	..	..	..	..	..	10,854	
5 B.		"	.005	.007	.008	.009	.010	.012	.014	.016	.024	..	..	..	..	..	10,304	
5 C.		"	.005	.006	.008	.009	.010	.012	.015	.018	..	..	..	..	..	..	10,080	
5 D.		"	.005	.007	.009	.010	.012	.015	.018	.037	..	..	..	..	..	..	10,584	

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
NEW SOUTH WALES, S.																	
7 A.	Narrow leaved, Smooth, or Red Iron Bark.	.006	.007	.008	.009	.011	.012	.014	.018	..	..	..	..	..	..	10,565
7 B.	"	.013	.015	.017	.019	.021	.023	.025	.030	..	..	..	..	..	..	10,416
7 C.	"	.005	.006	.008	.009	.011	.014	.018	..	..	..	..	..	..	..	9,520
7 D.	"	.006	.008	.011	.016	.021	.026	..	..	..	..	..	..	..	..	8,940
8 A., B., C.	Narrow-leaved Iron Bark	.006	.008	.012	.015	.018	.022	.024	.030	..	..	..	..	..	..	10,108
10 A.	Box of Illawarra	.006	.008	.010	.011	.013	.015	.017	.020	..	..	..	..	..	..	10,808
10 B.	"	.004	.006	.007	.009	.014	..	..	..	..	..	..	..	..	..	8,120
10 C.	"	.005	.007	.008	.010	.014	..	..	..	..	..	..	..	..	..	7,728
10 D.	"	.008	.010	.013	.016	.018	.021	.028	..	..	..	..	..	..	..	7,616
11 A.	Bastard Box of Illawarra	.005	.006	.007	.008	.010	.011	.013	.016	..	..	..	..	..	..	10,948
11 B.	"	.006	.008	.009	.011	.013	.014	.017	.019	..	..	..	..	..	..	10,920
11 C.	"	.004	.005	.007	.008	.009	.011	.014	.018	..	..	..	..	..	..	10,304
11 D.	True or Yellow Box of Camden.	.004	.006	.007	.008	.009	.010	.012	.014	..	..	..	..	..	..	10,864
12 A.	"	.006	.008	.009	.014	..	..	..	..	..	..	..	..	..	..	6,664
12 B.	"	.008	.010	.013	.019	..	..	..	..	..	..	..	..	..	..	6,216
12 C.	"	.008	.010	.013	.022	..	..	..	..	..	..	..	..	..	..	5,899
13 A.	Bastard Box	.006	.008	.009	.011	.012	.014	.016	.018	..	..	..	..	..	..	11,200
13 B.	"	.006	.007	.008	.009	.010	.012	.013	.015	..	..	..	..	..	..	10,724
13 C.	"	.006	.007	.008	.010	.011	.013	.015	.018	..	..	..	..	..	..	10,864
13 D.	"	.004	.005	.006	.008	.009	.010	.012	.013	.016	..	..	..	..	..	12,096
13 A., C.	"	.005	.007	.008	.009	.010	.012	.030	.050	.080	..	..	..	..	..	11,536
13 A., D.	"	.006	.008	.010	.012	.014	.016	.018	.021	..	..	..	..	..	..	10,752
14 A.	"	.004	.005	.006	.007	.008	.010	.012	.025	..	..	..	..	..	..	10,080
14 B.	"	.007	.010	.014	.017	.020	.025	..	..	..	..	..	..	..	..	8,736
14 C.	"	.004	.006	.007	.008	.010	.012	.015	..	..	..	..	..	..	..	9,800
14 D.	"	.006	.008	.009	.010	.012	.014	.016	..	..	..	..	..	..	..	10,005
15 A.	Box	.008	.010	.014	.018	..	..	..	..	..	..	..	..	..	..	6,496
15 B.	"	.005	.006	.007	.008	.012	..	..	..	..	..	..	..	..	..	7,448
15 C.	"	.004	.005	.007	.009	.014	..	..	..	..	..	..	..	..	..	7,093
16 A.	Flooded Gum	.004	.006	.008	.010	..	..	..	..	..	..	..	..	..	..	6,440

Not quite square.

Not quite square.

Not quite square.

Not quite square.

Not quite square.

TABLE IV. —continued.

No. of Specimen.	Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
NEW SOUTH WALES, S.																	
26 D.	Spotted or Mottled Gum	•005	•006	•008	•009	•011	•015	•	•	•	•	•	•	•	•	8,344	
27 A.	Black Butt Gum	•004	•005	•006	•008	•009	•015	•	•	•	•	•	•	•	•	7,840	
27 B.	"	•004	•006	•007	•008	•009	•010	•012	•	•	•	•	•	•	•	8,932	
27 C.	"	•004	•005	•006	•007	•008	•010	•012	•	•	•	•	•	•	•	8,848	
27 D.	"	•003	•004	•005	•007	•009	•009	•012	•	•	•	•	•	•	•	8,176	
27 E.	"	•005	•007	•009	•011	•013	•017	•	•	•	•	•	•	•	•	8,732	
27 A.	"	•004	•006	•007	•008	•010	•013	•017	•	•	•	•	•	•	•	8,624	
27 B.	"	•004	•006	•007	•008	•010	•014	•018	•	•	•	•	•	•	•	7,728	
27 C.	"	•007	•008	•010	•011	•014	•018	•020	•	•	•	•	•	•	•	11,144	
27 D.	"	•006	•007	•008	•009	•010	•012	•016	•	•	•	•	•	•	•	8,736	
27 E.	"	•006	•007	•008	•009	•010	•013	•017	•	•	•	•	•	•	•	•	
28 A.	Grey Gum from Brisbane Water.	•006	•008	•010	•011	•013	•017	•	•	•	•	•	•	•	•	•	
28 B.	"	•004	•005	•006	•008	•010	•014	•021	•	•	•	•	•	•	•	8,568	
28 C.	"	•006	•007	•008	•010	•012	•014	•022	•	•	•	•	•	•	•	9,324	
28 D.	"	•007	•008	•010	•012	•014	•022	•	•	•	•	•	•	•	•	8,036	
40 A.	Messmate	•006	•008	•009	•011	•016	•	•	•	•	•	•	•	•	•	7,448	
40 B.	"	•005	•007	•008	•010	•014	•	•	•	•	•	•	•	•	•	7,672	
40 C.	"	•005	•007	•008	•010	•014	•	•	•	•	•	•	•	•	•	7,672	
40 D.	"	•005	•007	•008	•010	•014	•	•	•	•	•	•	•	•	•	7,560	
42 A.	Swamp Mahogany	•004	•006	•008	•010	•015	•	•	•	•	•	•	•	•	•	7,224	
42 B.	"	•006	•008	•009	•011	•014	•	•	•	•	•	•	•	•	•	7,382	
42 C.	"	•006	•008	•011	•014	•017	•	•	•	•	•	•	•	•	•	7,224	
43 A.	"	•006	•008	•011	•014	•017	•	•	•	•	•	•	•	•	•	5,964	
43 B.	"	•005	•007	•009	•015	•	•	•	•	•	•	•	•	•	•	5,600	
43 C.	"	•006	•009	•012	•019	•	•	•	•	•	•	•	•	•	•	5,768	
43 D.	"	•007	•009	•012	•019	•	•	•	•	•	•	•	•	•	•	4,620	
44 A.	Mahogany	•006	•006	•006	•06	•	•	•	•	•	•	•	•	•	•	7,644	
44 B.	"	•005	•007	•008	•010	•013	•	•	•	•	•	•	•	•	•	7,476	
44 C.	"	•006	•008	•009	•012	•015	•	•	•	•	•	•	•	•	•	8,240	
44 D.	"	•006	•007	•008	•010	•012	•018	•	•	•	•	•	•	•	•	8,176	
46 A.	Stringy Bark of Coast	•006	•007	•008	•010	•012	•018	•015	•	•	•	•	•	•	•	9,296	
46 B.	"	•005	•007	•008	•009	•010	•012	•020	•	•	•	•	•	•	•	8,960	
46 C.	"	•006	•008	•009	•011	•013	•015	•017	•	•	•	•	•	•	•	9,464	
46 D.	"	•005	•007	•008	•009	•010	•013	•017	•	•	•	•	•	•	•	9,212	

TABLE IV.—continued.

TABLE IV. — continued.

No. of Specimen.	Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
NEW SOUTH WALES, S.																	
47 A.	Stringy Bark, Appin	.006	.008	.009	.011	.013	.015	.020								9,352	
47 B.	" "	.007	.008	.010	.012	.014	.016									8,792	
47 C.	" "	.008	.010	.012	.015	.017	.020									8,456	
48 A.	Stringy Bark, Camden	.005	.006	.007	.009	.010	.014									8,232	
48 B.	" "	.006	.007	.008	.009	.010	.016									8,792	
48 C.	" "	.006	.007	.008	.009	.011	.015									8,288	
48 D.	" "	.006	.007	.008	.010	.011	.013	.018								8,960	
49 A.	Stringy Bark, Berrima	.006	.008	.009	.010	.013	.016									8,148	
49 B.	" "	.006	.008	.009	.011	.014										7,732	
49 C.	" "	.006	.007	.008	.010	.012										7,812	
49 D.	" "	.006	.010	.028	.035	.044										7,019	
52 A.	Apple Tree of Coast	.007	.009	.010	.013	.016										7,168	
52 B.	" "	.007	.009	.012	.018	.05										7,980	
52 C.	" "	.007	.010	.014	.019	.025										6,757	
52 D.	" "	.007	.008	.010	.012	.017										7,224	
53 A.	Apple Tree	.009	.014	.018												4,480	
53 B.	" "	.008	.010	.018												5,096	
53 C.	" "	.007	.009	.011	.014											6,440	
53 D.	" "	.008	.012	.038												4,029	
54 A.	Turpentine	.007	.009	.012	.014	.018	.031									7,840	
55 A.	Water Gum	.008	.008	.010	.012	.016	.025									7,840	
55 B.	" "	.012	.016	.024	.079											5,880	
57 A.	Hickory	.005	.007	.008	.010	.014										7,488	
57 B.	" "	.007	.011	.016	.019	.017										6,972	
57 C.	" "	.004	.006	.008	.010											6,608	
57 D.	" "	.005	.007	.008	.010	.016										7,084	
59 A.	Prickly Tea Tree	.006	.007	.008	.010	.016										6,720	
59 B.	" "	.006	.008	.010	.013	.030										6,384	
60 A.	Common Tea Tree	.007	.010	.012	.015											6,356	
60 B.	" "	.007	.009	.012	.016											4,984	
60 C.	" "	.007	.009	.013												6,132	
	" "	.006	.010	.014													

Not square.

Not good; defective [sawing.]

Not square.

Not good; defective [sawing.]

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
NEW SOUTH WALES, S.																	
64 A.	Broad-leaved Tea Tree -	*006	*007	*008	*009	*010	*013	*017	..	..	..	..	..	..	..	8,708
64 B.	"	*003	*005	*006	*008	*009	*012	*016	..	..	..	..	..	..	..	9,240
70 A.	Myrtle -	*004	*005	*007	*008	*010	*016	..	..	..	..	..	..	..	..	7,896
70 B.	"	*003	*008	*010	*012	*015	*019	..	..	..	..	..	..	..	..	8,680
84 A.	Black Wattle of Illawarra.	*006	*008	*010	*012	*015	*018	..	..	..	..	..	..	..	..	8,736
84 B.	"	*006	*008	*009	*011	*013	*018	..	..	..	..	..	..	..	..	8,176
105 A.	River or White Oak	*006	*008	*009	*010	*013	*016	*028	..	..	..	..	..	..	..	9,206
105 B.	"	*006	*007	*009	*012	*016	..	..	..	..	..	..	..	..	..	7,280
108 A.	Beech, Brush Cherry	*006	*008	*011	*020	..	..	..	..	..	..	..	..	..	..	5,880
108 B.	"	*007	*008	*011	*019	..	..	..	..	..	..	..	..	..	..	5,740
120 A.	Teak Wood	*006	*008	*013	..	..	..	..	..	..	..	..	..	..	..	4,816
120 B.	"	*006	*008	*013	..	..	..	..	..	..	..	..	..	..	..	4,256
125 A.	Maiden's Blush, Ladies' Blush.	*012	..	..	..	..	..	..	..	..	..	..	..	..	..	3,540
125 B.	"	*007	*012	..	..	..	..	..	..	..	..	..	..	..	..	3,696
125 C.	"	*006	*009	..	..	..	..	..	..	..	..	..	..	..	..	4,008
125 D.	"	*008	*011	..	..	..	..	..	..	..	..	..	..	..	..	4,082
127 A.	Tamarind Tree	*005	*006	*008	*010	..	..	..	..	..	..	..	..	..	..	6,468
136 A.	White Maple	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
136 B.	"	*010	*014	..	..	..	..	..	..	..	..	..	..	..	..	4,256
136 C.	"	*008	*013	..	..	..	..	..	..	..	..	..	..	..	..	4,340
136 D.	"	*006	*008	*013	..	..	..	..	..	..	..	..	..	..	..	4,704
137 A.	"	*003	*009	*012	*017	..	..	..	..	..	..	..	..	..	..	6,468
137 B.	"	*006	*008	*010	*013	*018	..	..	..	..	..	..	..	..	..	7,308
139 A.	White Myrtle, Blue Ash, Ash.	*007	*014	..	..	..	..	..	..	..	..	..	..	..	..	3,472
140 A.	Light Wood, Leather Jacket, Couch Wood.	*008	*010	*014	..	..	..	..	..	..	..	..	..	..	..	5,152
140 B.	"	*007	*010	*015	..	..	..	..	..	..	..	..	..	..	..	5,376

Defective ?

Defective; by saw.

TABLE IV. — continued.

No. of Specimen.	Local Name.	Compression at a Weight of												Crushing Weight in Pounds.	REMARKS.	
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.			lbs. 15,680.	lbs. 16,800.
QUEENSLAND.																
14 B.	Silky Oak	•010	•014	•019	..	..	..	..	..	..	..	..	..	..	..	5,040
15 A.	"	•009	•014	..	..	..	..	..	..	..	..	..	..	..	..	4,144
15 B.	"	•009	•014	..	..	..	..	..	..	..	..	..	..	..	..	4,816
15 Aa.	"	•006	•007	•011	..	..	..	..	..	..	..	..	..	..	..	3,920
15 Ab.	"	•008	•012	..	..	..	..	..	..	..	..	..	..	..	..	3,276
16 A.	Beef Wood	•007	..	..	..	..	..	..	..	..	..	..	..	..	..	3,360
16 B.	"	•008	•013	..	..	..	..	..	..	..	..	..	..	..	..	3,220
16 Aa.	"	•015	..	..	..	..	..	..	..	..	..	..	..	..	..	3,276
16 Ab.	"	•010	..	..	..	..	..	..	..	..	..	..	..	..	..	7,392
17 A.	Tulip Tree	•007	•010	•012	•015	•019	..	..	..	..	..	..	..	..	..	6,160
17 B.	"	•006	•007	•009	•013	..	..	..	..	..	..	..	..	..	..	5,600
17 Aa.	"	•008	•010	•013	•019	..	..	..	..	..	..	..	..	..	..	7,560
17 Ab.	"	•005	•006	•008	•010	•012	..	..	..	..	..	..	..	..	..	..
18 A.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18 B.	"	•006	•007	•008	•010	•014	..	..	..	..	..	..	..	..	..	7,252
19 A.	Light Wood	•007	•008	•010	•013	•017	..	..	..	..	..	..	..	..	..	7,196
19 B.	"	•006	•008	•011	•014	..	..	..	..	..	..	..	..	..	..	6,664
19 Aa.	"	•005	•007	•008	•010	•012	•015	..	..	..	..	..	..	..	..	8,848
19 Ab.	"	•004	•006	•007	•008	•010	•012	•015	•014	•016	..	..	..	..	..	11,032
20 A.	Callum	•005	•006	•007	•008	•010	•011	•013	•014	..	..	..	..	..	..	12,096
20 B.	"	•003	•005	•007	•008	•010	•011	•013	•014	..	..	..	..	..	..	5,376
20 Aa.	"	•006	•008	•010	•018	..	..	..	..	..	..	..	..	..	..	6,048
20 Ab.	"	•009	•011	•014	..	..	..	..	..	..	..	..	..	..	..	5,516
20 Ba.	"	•006	•007	•009	..	..	..	..	..	..	..	..	..	..	..	5,432
20 Bb.	"	•008	•010	•014	..	..	..	..	..	..	..	..	..	..	..	4,984
21 A.	Cabbage Tree	•005	•007	•010	..	..	..	..	..	..	..	..	..	..	..	5,432
21 B.	"	•009	•014	•022	..	..	..	..	..	..	..	..	..	..	..	5,740
23 A.	Mountain Ash	•007	•009	•013	•021	..	..	..	..	..	..	..	..	..	..	8,400
23 B.	"	•007	•008	•010	•012	•014	•018	..	..	..	..	..	..	..	..	8,708
23 Aa.	"	•007	•010	•018	•025	•030	•039	..	..	..	..	..	..	..	..	8,213
23 Ab.	"	•008	•010	•012	•014	•017	•026	..	..	..	..	..	..	..	..	11,172
24 A.	Broad-leaved Cherry	•007	•009	•012	•015	•018	•022	•025	•030	..	..	..	..	..	..	8,932
24 B.	"	•005	•006	•008	•009	•011	•014	..	..	..	..	..	..	..	..	..

Symptoms of dry rot.

Good.

Dry rot.

Not square.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of												Crushing Weight in Pounds.	REMARKS.	
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.			lbs. 15,680.	lbs. 16,800.
QUEENSLAND.																
24 A.	Broad-leaved Cherry	•005	•007	•008	•010	•012	•014	•022	..	..	..	..	..	..	..	8,876
24 A.	"	•006	•007	•008	•010	•011	•015	..	..	..	..	..	..	..	..	9,352
25 A.	Cherry	•008	•010	•014	•022	..	..	..	..	..	..	..	..	..	..	5,908
25 B.	"	•010	•015	•022	..	..	..	..	..	..	..	..	..	..	..	5,544
25 A.	"	•008	•010	•014	..	..	..	..	..	..	..	..	..	..	..	5,292
25 B.	"	•007	•009	•013	..	..	..	..	..	..	..	..	..	..	..	4,868
25 B.	Mangrove	•008	•012	..	..	..	..	..	..	..	..	..	..	..	..	5,003
28 A.	"	•008	•011	•018	..	..	..	..	..	..	..	..	..	..	..	4,144
28 B.	"	•008	•013	..	..	..	..	..	..	..	..	..	..	..	..	4,396
28 A.	"	•008	•010	..	..	..	..	..	..	..	..	..	..	..	..	7,803
28 A.	Lignum Vitæ	•008	•010	•013	•015	•018	..	..	..	..	..	..	..	..	..	8,204
29 A.	"	•004	•005	•006	•008	•010	•016	..	..	..	..	..	..	..	..	7,728
29 B.	"	•005	•007	•009	•012	•015	..	..	..	..	..	..	..	..	..	7,616
29 A.	"	•006	•008	•010	•012	•015	..	..	..	..	..	..	..	..	..	4,256
29 B.	Beech	•009	•013	..	..	..	..	..	..	..	..	..	..	..	..	4,648
30 A.	"	•008	•010	•016	..	..	..	..	..	..	..	..	..	..	..	4,816
30 B.	"	•009	•012	•016	..	..	..	..	..	..	..	..	..	..	..	4,806
30 A.	"	•009	•014	•024	..	..	..	..	..	..	..	..	..	..	..	4,144
30 A.	White Cedar	•007	•009	..	..	..	..	..	..	..	..	..	..	..	..	—
31 A.	"	•006	•008	•011	..	..	..	..	..	..	..	..	..	..	..	4,928
31 B.	"	•009	•012	•019	..	..	..	..	..	..	..	..	..	..	..	4,704
31 A.	"	•005	•006	•007	•009	•010	..	..	..	..	..	..	..	..	..	7,803
31 A.	Plum Tree	•004	•007	•008	•012	•022	..	..	..	..	..	..	..	..	..	6,888
32 A.	"	•006	•007	•009	•012	..	..	..	..	..	..	..	..	..	..	6,048
32 B.	"	•003	•007	•009	•012	..	..	..	..	..	..	..	..	..	..	5,432
32 A.	"	•005	•007	•010	..	..	..	..	..	..	..	..	..	..	..	6,048
32 A.	Rosewood	•008	•010	•013	•020	..	..	..	..	..	..	..	..	..	..	5,768
32 A.	"	•006	•008	•010	•015	..	..	..	..	..	..	..	..	..	..	5,320
33 B.	"	•008	•010	•015	..	..	..	..	..	..	..	..	..	..	..	5,861
33 A.	"	•004	•006	•008	•013	..	..	..	..	..	..	..	..	..	..	8,240
33 A.	"	•005	•007	•009	•010	•012	•016	..	..	..	..	..	..	..	..	8,512
34 A.	Dark Yellow Wood	•007	•009	•011	•013	•015	•018	..	..	..	..	..	..	..	..	8,512
34 B.	"	•005	•007	•008	•011	..	..	..	..	..	..	..	..	..	..	6,384

Dry rot.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of													Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.			lbs. 16,800.
QUEENSLAND.																
35 B.	Cugerie	.007	.010	.015	..	..	..	..	..	..	..	..	..	..	..	5,320
35 Aa.	"	.007	.008	.011	..	..	..	..	..	..	..	..	..	..	..	5,264
35 Ab.	"	.007	.009	.012	..	..	..	..	..	..	..	..	..	..	..	5,348
36 A.	"	.005	.007	.008	.010	.011	.014	..	..	..	..	..	..	..	..	8,848
36 B.	"	.014	.025	.038	.048	.058	..	..	..	..	..	..	..	..	..	7,336
36 Aa.	"	.005	.006	.008	.009	.011	.013	.018	..	..	..	..	..	..	..	9,744
36 Ab.	"	.004	.006	.007	.008	.010	.014	..	..	..	..	..	..	..	..	8,288
37 A.	"	.018	..	..	..	..	..	..	..	..	..	..	..	..	..	2,576
37 B.	"	.006	.007	.010	.016	..	..	..	..	..	..	..	..	..	..	5,036
37 Aa.	"	.006	..	..	..	..	..	..	..	..	..	..	..	..	..	2,408
38 A.	Grey Plum	.008	.013	..	..	..	..	..	..	..	..	..	..	..	..	3,892
38 B.	"	.007	.009	.010	..	..	..	..	..	..	..	..	..	..	..	4,424
38 Aa.	"	.008	.010	.017	..	..	..	..	..	..	..	..	..	..	..	4,760
38 Ab.	"	.017	.022	.030	..	..	..	..	..	..	..	..	..	..	..	5,040
39 A.	Sassafras	.008	.012	.019	..	..	..	..	..	..	..	..	..	..	..	4,704
39 B.	"	.008	.010	.014	..	..	..	..	..	..	..	..	..	..	..	5,096
39 Aa.	"	.009	.014	..	..	..	..	..	..	..	..	..	..	..	..	4,284
39 Ab.	"	.010	.014	..	..	..	..	..	..	..	..	..	..	..	..	4,144
40 A.	"	.018	.011	.014	.019	.027	..	..	..	..	..	..	..	..	..	6,972
40 B.	"	.004	.006	.008	.010	.012	..	..	..	..	..	..	..	..	..	7,448
40 Aa.	"	.005	.003	.008	.009	.010	.013	.018	..	..	..	..	..	..	..	9,296
40 Ab.	"	.004	.003	.007	.009	.013	..	..	..	..	..	..	..	..	..	7,504
41 A.	"	.007	.010	.015	.024	..	..	..	..	..	..	..	..	..	..	5,600
41 B.	"	.005	.007	.010	.017	..	..	..	..	..	..	..	..	..	..	6,048
43 A.	Tamarind Tree	.007	.012	..	..	..	..	..	..	..	..	..	..	..	..	3,920
43 B.	"	.003	.008	.013	..	..	..	..	..	..	..	..	..	..	..	3,920
43 Aa.	"	.006	.008	.012	..	..	..	..	..	..	..	..	..	..	..	4,928
43 Ab.	"	.006	.008	.013	..	..	..	..	..	..	..	..	..	..	..	4,984
44 A.	Tulip Wood	.006	.007	.008	.010	.012	.020	..	..	..	..	..	..	..	..	8,036
44 B.	"	.008	.010	.014	.018	.021	..	..	..	..	..	..	..	..	..	6,944
44 Aa.	"	.006	.008	.009	.012	..	..	..	..	..	..	..	..	..	..	6,421
44 Ab.	"	.003	.004	.005	.006	.008	.009	.014	..	..	..	..	..	..	..	9,221
45 A.	"	.008	.010	.014	.020	..	..	..	..	..	..	..	..	..	..	6,528

Not square.

Dry rot.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of													Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.			lbs. 16,800.
QUEENSLAND.																
45 B.	-	*007	*009	*011	*014	..	..	..	..	..	..	..	..	..	..	6,552
45 Aa.	-	*005	*007	*010	*012	..	..	..	..	..	..	..	..	..	..	6,720
45 Bb.	-	*007	*009	*011	*014	*020	..	..	..	..	..	..	..	..	..	7,168
46 A.	-	*009	*011	*014	*021	..	..	..	..	..	..	..	..	..	..	5,992
46 B.	-	*007	*008	*010	*015	..	..	..	..	..	..	..	..	..	..	6,048
46 Aa.	-	*008	*011	*014	*018	..	..	..	..	..	..	..	..	..	..	6,468
46 Bb.	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
47 A.	Lime	*010	*014	*022	..	..	..	..	..	..	..	..	..	..	..	4,928
47 B.	"	*008	*009	*012	*016	..	..	..	..	..	..	..	..	..	..	6,384
47 Aa.	"	*008	*010	*012	..	..	..	..	..	..	..	..	..	..	..	5,544
47 Ab.	"	*006	*008	*010	*013	..	..	..	..	..	..	..	..	..	..	6,300
48 A.	-	*006	*007	*009	*011	*015	..	..	..	..	..	..	..	..	..	7,243
48 B.	-	*011	*016	*020	*026	*031	..	..	..	..	..	..	..	..	..	7,420
48 Aa.	-	*006	*007	*008	*010	*013	*018	..	..	..	..	..	..	..	..	8,316
48 Ab.	-	*005	*006	*008	*009	*010	*013	*017	..	..	..	..	..	..	..	9,320
49 A.	-	*006	*008	*010	*019	*021	..	..	..	..	..	..	..	..	..	7,392
49 B.	-	*006	*008	*012	*020	*021	..	..	..	..	..	..	..	..	..	7,892
49 Aa.	-	*006	*008	*010	*013	*020	..	..	..	..	..	..	..	..	..	7,392
49 Ab.	-	*004	*006	*008	*010	*021	..	..	..	..	..	..	..	..	..	7,756
50 A.	-	*010	*014	*018	..	..	..	..	..	..	..	..	..	..	..	7,280
50 B.	-	*006	*008	*010	*015	..	..	..	..	..	..	..	..	..	..	5,376
50 Aa.	-	*007	*009	*011	..	..	..	..	..	..	..	..	..	..	..	6,216
51 Ab.	-	*010	*014	*019	*028	..	..	..	..	..	..	..	..	..	..	5,600
51 A.	-	*005	*007	*008	*012	..	..	..	..	..	..	..	..	..	..	5,656
51 B.	-	*007	*009	*014	..	..	..	..	..	..	..	..	..	..	..	6,020
52 A.	-	*005	*007	*010	..	..	..	..	..	..	..	..	..	..	..	4,844
52 B.	-	*008	*010	*018	..	..	..	..	..	..	..	..	..	..	..	4,928
52 Aa.	-	*006	*007	*009	*016	..	..	..	..	..	..	..	..	..	..	5,880
52 Ab.	-	*004	*006	*008	*012	..	..	..	..	..	..	..	..	..	..	6,328
53 A.	-	*006	*007	*009	*011	*016	..	..	..	..	..	..	..	..	..	7,252
53 B.	-	*007	*008	*010	*013	*018	..	..	..	..	..	..	..	..	..	7,056
53 Aa.	-	*007	*008	*010	*013	..	..	..	..	..	..	..	..	..	..	6,466
53 Ab.	-	*007	*009	*012	*018	..	..	..	..	..	..	..	..	..	..	5,880

Dry rot.

Dry rot; shaky.

Dry rot.

Dry rot.

Dry rot.

Little dry rot.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of											Crushing Weight in Pounds.	REMARKS.	
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.			lbs. 14,560.	lbs. 15,680.	lbs. 16,800.
QUEENSLAND.															
63 B.	Black Iron Bark	.007	.009	.012	.015	.018	.022	.018	.018	.018	.018	.018	.018	.018	8,680
63 Aa.	"	.006	.008	.009	.010	.013	.015	.015	.018	.018	.018	.018	.018	.018	9,632
63 Ab.	"	.005	.006	.008	.009	.011	.014	.014	.017	.017	.017	.017	.017	.017	9,680
64 A.	Grey Iron Bark	.006	.007	.009	.010	.012	.014	.014	.018	.018	.018	.018	.018	.018	9,464
64 B.	"	.005	.006	.007	.008	.010	.012	.012	.014	.014	.014	.014	.014	.014	9,688
64 Aa.	"	.006	.007	.009	.011	.015	.020	.020	.023	.023	.023	.023	.023	.023	8,932
64 Ab.	"	.005	.006	.007	.008	.010	.013	.013	.017	.017	.017	.017	.017	.017	8,988
65 A.	Red Iron Bark	.006	.008	.009	.010	.012	.014	.014	.018	.018	.018	.018	.018	.018	9,296
65 B.	"	.005	.006	.008	.009	.010	.013	.013	.017	.017	.017	.017	.017	.017	9,576
65 Aa.	"	.004	.006	.007	.008	.010	.013	.013	.017	.017	.017	.017	.017	.017	9,184
65 Ab.	"	.004	.006	.007	.008	.010	.013	.013	.017	.017	.017	.017	.017	.017	9,184
66 A.	Stringy Bark	.007	.009	.011	.013	.016	.023	.023	.023	.023	.023	.023	.023	.023	7,924
66 B.	"	.005	.007	.008	.010	.012	.014	.014	.018	.018	.018	.018	.018	.018	8,428
66 Aa.	"	.004	.006	.007	.008	.010	.013	.013	.017	.017	.017	.017	.017	.017	8,344
66 Ab.	"	.005	.006	.007	.008	.010	.013	.013	.017	.017	.017	.017	.017	.017	8,316
67 A.	Spotted Gum	.005	.008	.008	.009	.010	.013	.013	.018	.018	.018	.018	.018	.018	9,632
67 B.	"	.004	.006	.007	.008	.009	.010	.010	.013	.013	.013	.013	.013	.013	10,556
67 Aa.	"	.007	.010	.016	.019	.024	.028	.028	.028	.028	.028	.028	.028	.028	8,512
67 Ab.	"	.006	.007	.009	.012	.015	.018	.018	.023	.023	.023	.023	.023	.023	9,828
68 A.	Turpentine Tree	.005	.006	.007	.008	.010	.012	.012	.020	.020	.020	.020	.020	.020	9,240
68 B.	"	.007	.009	.011	.013	.016	.021	.021	.021	.021	.021	.021	.021	.021	8,344
68 Aa.	"	.007	.010	.016	.024	.042	.062	.062	.062	.062	.062	.062	.062	.062	9,296
68 Ab.	"	.005	.006	.008	.009	.010	.013	.013	.017	.017	.017	.017	.017	.017	5,936
69 A.	Smooth-barked Gum	.007	.009	.011	.015	.016	.016	.016	.016	.016	.016	.016	.016	.016	6,440
69 B.	"	.008	.010	.013	.016	.020	.020	.020	.020	.020	.020	.020	.020	.020	6,524
69 Aa.	"	.007	.009	.012	.016	.020	.020	.020	.020	.020	.020	.020	.020	.020	5,264
69 Ab.	"	.007	.009	.012	.016	.020	.020	.020	.020	.020	.020	.020	.020	.020	5,372
70 A.	Blood Wood	.008	.012	.016	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	4,172
70 B.	"	.008	.010	.014	.024	.024	.024	.024	.024	.024	.024	.024	.024	.024	5,992
70 Aa.	"	.006	.008	.010	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026	5,684
70 Ab.	"	.005	.007	.008	.009	.011	.013	.013	.015	.015	.015	.015	.015	.015	11,144
71 A.	Swamp Mahogany	.005	.007	.008	.009	.011	.013	.013	.015	.015	.015	.015	.015	.015	10,500
71 B.	"	.006	.007	.009	.010	.012	.014	.014	.018	.018	.018	.018	.018	.018	10,500

TABLE IV.—continued.

[illegible]

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of												Crushing Weight in Pounds.	REMARKS.	
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.			lbs. 15,680.	lbs. 16,800.
QUEENSLAND.																
109 B.	"	*005	*008	*008	*009	*011	*014	*017	9,632	Dry rot. Symptoms of dry rot. Do.
109 Aa.	"	*006	*008	*010	*011	*014	*017	..	..	..	..	..	..	..	8,624
109 Ab.	"	*004	*005	*006	*008	*009	*013	..	..	..	..	..	..	..	8,568
110 A.	"	*008	*010	*012	*014	*016	*020	..	..	..	..	..	..	..	8,848
110 B.	"	*006	*009	*012	*015	*020	*028	8,512	Dry rot. Do.
110 Aa.	"	*009	*013	*016	*020	*025	..	..	..	..	..	..	..	..	8,596
110 Ab.	"	*005	*006	*008	*009	*011	*015	..	..	..	..	..	..	..	8,204
111 A.	"	*008	*010	*012	*014	*016	*020	..	..	..	..	..	..	..	7,952
111 B.	"	*005	*006	*008	*010	*012	*022	7,728	Dry rot. Do.
111 Aa.	"	*004	*006	*007	*008	*010	..	..	..	..	..	..	..	..	5,488
111 Ab.	"	*008	*010	*013	..	..	..	..	..	..	..	..	..	..	5,132
112 Aa.	"	*007	*008	*010	*014	*035	..	..	..	..	..	..	..	..	6,720
112 Ab.	"	*012	*016	*020	*025	6,384	Dry rot.
113 A.	Mangrove	*011	*015	*020	*025	*035	..	..	..	..	..	..	..	..	7,028
113 B.	"	*008	*010	*012	*015	*022	..	..	..	..	..	..	..	..	7,028
113 Aa.	"	*007	*010	*016	..	..	..	..	..	..	..	..	..	..	4,816
113 Ab.	"	*006	*008	*012	5,544	Dry rot.
114 A.	"	*004	*005	*006	*007	*009	*010	*011	*012	*014	*016	..	..	..	12,768
114 B.	"	*004	*006	*007	*008	*009	*010	*012	*014	..	..	..	..	..	11,200
115 A.	"	*007	*009	*013	..	..	..	..	..	..	..	..	..	..	5,208
115 B.	"	*006	*008	*013	4,928	Good.
116 A.	"	*005	*006	*007	*008	*010	*012	*014	..	..	..	..	..	..	9,912
117 A.	Rosewood	*004	*006	*007	*008	*009	*010	*012	*016	..	..	..	..	..	11,368
117 B.	"	*006	*007	*008	*009	*011	*013	..	..	..	..	..	..	..	8,932
117 Aa.	"	*005	*007	*008	*010	*012	*015	*020	9,744	Good.
117 Ab.	"	*006	*007	*008	*010	*012	*015	..	..	..	..	..	..	..	4,340
118 A.	"	*006	*009	..	..	..	..	..	..	..	..	..	..	..	4,200
118 B.	"	*007	*010	..	..	..	..	..	..	..	..	..	..	..	6,608
118 Aa.	"	*006	*008	*009	*012	6,384	Good.
118 Ab.	"	*008	*010	*013	*016	..	..	..	..	..	..	..	..	..	6,384
120 A.	"	*007	*010	*013	*016	*012	*014	*016	*020	*028	..	..	..	..	12,000
120 B.	"	*005	*007	*009	*010	*012	*014	*016	*020	..	..	..	..	..	12,000

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
TRINIDAD.																	
187 D.	Gommier -	•005	•007	•010	•010	•013	•024	..	..	..	..	..	..	..	..	5,544
196 A.	Beef Wood	•005	•007	•008	•009	•011	•014	..	..	..	..	..	..	..	..	7,952
198 A.	Laurel	•008	•010	•013	•020	..	..	..	..	..	..	..	..	..	..	8,848
198 B.	"	•005	•006	•008	•010	•014	..	..	..	..	..	..	..	..	..	6,076
198 C.	"	•007	•008	•010	•014	..	..	..	..	..	..	..	..	..	..	5,563
198 D.	"	•007	•009	•012	..	..	..	..	..	..	..	..	..	..	..	6,011
200 A.	Laurier Cannelle	•005	•008	•009	•110	•013	•016	..	..	..	..	..	..	..	..	5,644
200 B.	"	•004	•005	•006	•007	•008	•010	•012	•015	..	..	..	..	..	..	8,876
200 C.	"	•005	•007	•008	•009	•010	•012	•015	..	..	..	..	..	..	..	9,940
200 D.	"	•004	•006	•008	•008	•010	•011	•014	..	..	..	..	..	..	..	9,744
201 A.	Laurier Blanc	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,548
201 B.	"	•007	•008	•010	•015	..	..	..	..	..	..	..	..	..	..	6,020
201 C.	"	•006	•008	•009	•012	..	..	..	..	..	..	..	..	..	..	6,300
201 D.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
201 A.C.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
201 A.D.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
201 A.E.	Laurier Blanc	•007	•008	•010	•013	..	..	..	..	..	..	..	..	..	..	5,964
201 A.F.	"	•007	•009	•012	•017	..	..	..	..	..	..	..	..	..	..	5,824
205 A.	Canturo	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205 C.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205 D.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
206 A.	Bois de Fer	•008	•011	•015	•026	•012	..	..	..	..	..	..	..	..	..	5,656
206 B.	"	•004	•006	•007	•009	•033	•048	..	..	..	..	..	..	..	..	7,168
206 C.	"	•007	•012	•018	•025	..	..	..	..	..	..	..	..	..	..	7,980
206 D.	"	•005	•010	•016	..	..	..	..	..	..	..	..	..	..	..	4,256
206 E.	"	•004	•006	•007	•009	•016	..	..	..	..	..	..	..	..	..	6,869
207 A.	Cantro	•005	•007	•008	•010	•014	..	..	..	..	..	..	..	..	..	7,317
207 B.	"	•006	•008	•010	•012	•016	..	..	..	..	..	..	..	..	..	7,448
207 C.	"	•014	•018	•022	•032	..	..	..	..	..	..	..	..	..	..	6,020
207 D.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
} No experiments.																	
} No experiments.																	
} No experiments.																	
Not quite square.																	
Not square or level.																	
Badly cut.																	

} No experiments.

} No experiments.

} No experiments.

Not quite square.

Not square or level.
Badly cut.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
TRINIDAD.																	
226 C.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
226 D.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
227 A.	Angelin	.007	.010	.015	—	—	—	—	—	—	—	—	—	—	—	—	
227 B.	"	.008	.010	.009	.012	.015	.020	.090	.160	—	—	—	—	—	—	—	
237 A.	Sapotilla, Sapotillier	.005	.007	.009	.013	.016	.022	.043	—	—	—	—	—	—	—	—	
237 B.	"	.006	.008	.010	.013	.016	.022	.043	—	—	—	—	—	—	—	—	
243 A.	Acoma, or Mastic	.004	.006	.008	.009	.011	.014	—	—	—	—	—	—	—	—	—	
243 B.	"	.006	.009	.015	.018	.024	.029	—	—	—	—	—	—	—	—	—	
248 A.	Cypre	.008	.010	.014	.018	—	—	—	—	—	—	—	—	—	—	—	
248 B.	"	.006	.007	.009	.012	—	—	—	—	—	—	—	—	—	—	—	
248 C.	"	.006	.007	.008	—	—	—	—	—	—	—	—	—	—	—	—	
248 D.	"	.010	.014	.020	—	—	—	—	—	—	—	—	—	—	—	—	
257 A.	Pui	.005	.006	.007	.008	.010	.011	.012	.014	.015	.016	.017	.019	.022	—	—	
257 B.	"	.004	.006	.008	.010	.012	.014	.016	.018	.020	.022	.024	.027	—	—	—	
257 C.	Almond Tree	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
260 A.	"	.006	.008	.012	.016	.029	—	—	—	—	—	—	—	—	—	—	
262 A.	Olivier	.004	.006	.008	.010	.013	—	—	—	—	—	—	—	—	—	—	
262 B.	"	.004	.006	.008	.010	.013	—	—	—	—	—	—	—	—	—	—	
262 C.	"	.004	.006	.008	.010	.013	—	—	—	—	—	—	—	—	—	—	
262 D.	"	.005	.007	.009	.010	.013	—	—	—	—	—	—	—	—	—	—	
265 A.	Red Mangrove	.006	.008	.010	.012	.014	.016	.020	—	—	—	—	—	—	—	—	
265 B.	"	.005	.006	.008	.009	.010	.013	.016	—	—	—	—	—	—	—	—	
270 A.	Wild Guava	.004	.006	.008	.010	.012	.016	—	—	—	—	—	—	—	—	—	
270 B.	"	.005	.006	.008	.009	.010	.014	—	—	—	—	—	—	—	—	—	
276 A.	Guatcare	.004	.005	.007	.008	.010	.012	.016	—	—	—	—	—	—	—	—	
276 B.	"	.004	.006	.007	.008	.009	.011	.014	—	—	—	—	—	—	—	—	
280 A.	Genipa	.007	.009	.013	.026	.120	—	—	—	—	—	—	—	—	—	—	
280 B.	"	.005	.009	.013	.019	.072	—	—	—	—	—	—	—	—	—	—	
280 C.	"	.007	.010	.014	.020	—	—	—	—	—	—	—	—	—	—	—	
280 D.	"	.008	.010	.013	.018	.047	—	—	—	—	—	—	—	—	—	—	

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of												Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.			lbs. 15,680.	lbs. 16,800.
VICTORIA.															
1 A.	Peppermint Tree	.005	.005	.008	.009	.010	.012	.016	.016	.024	.016	.012	.016	.024	.016
1 B.	"	.005	.007	.008	.010	.013	.016	.016	.016	.024	.016	.012	.016	.024	.016
1 C.	"	.005	.007	.008	.010	.013	.014	.019	.019	.019	.019	.014	.019	.019	.019
1 D.	"	.007	.009	.010	.013	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016
2 A.	Grey Box Tree	.006	.008	.009	.011	.013	.016	.016	.016	.016	.016	.016	.016	.016	.016
2 B.	"	.007	.009	.010	.012	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016
2 C.	"	.007	.008	.010	.012	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018
2 D.	"	.006	.008	.009	.012	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018
2 Aa.	Grey Box Tree	.006	.008	.010	.013	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016
2 Ab.	"	.007	.008	.010	.012	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016
2 Ac.	"	.004	.006	.008	.010	.012	.014	.014	.014	.014	.014	.014	.014	.014	.014
2 Ad.	"	.007	.008	.010	.012	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016
3 A.	Coast Tea Tree	.005	.007	.008	.010	.012	.014	.014	.014	.014	.014	.014	.014	.014	.014
3 B.	"	.004	.006	.007	.008	.010	.012	.012	.012	.012	.012	.012	.012	.012	.012
3 C.	"	.008	.010	.015	.031	.010	.012	.013	.013	.015	.017	.024	.017	.024	.017
4 A.	"	.004	.006	.007	.008	.010	.012	.013	.013	.015	.017	.024	.017	.024	.017
5 Aa.	Mint Tree	.008	.011	.017	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016
5 Ab.	"	.006	.008	.011	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016
5 Ac.	"	.007	.009	.012	.016	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022
6 A.	"	.008	.010	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016	.016
6 B.	"	.006	.008	.009	.011	.013	.017	.017	.017	.017	.017	.017	.017	.017	.017
6 C.	"	.006	.007	.008	.011	.013	.017	.017	.017	.017	.017	.017	.017	.017	.017
7 A.	"	.006	.008	.012	.019	.022	.022	.022	.022	.022	.022	.022	.022	.022	.022
7 B.	"	.002	.004	.009	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013
7 C.	"	.006	.008	.010	.013	.017	.017	.017	.017	.017	.017	.017	.017	.017	.017
8 A.	"	.006	.008	.010	.012	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025
8 B.	"	.006	.008	.010	.012	.018	.018	.018	.018	.018	.018	.018	.018	.018	.018
8 C.	"	.004	.006	.008	.010	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014
8 D.	"	.007	.009	.011	.014	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020
9 A.	"	.006	.008	.010	.014	.020	.020	.020	.020	.020	.020	.020	.020	.020	.020
9 B.	"	.004	.005	.006	.008	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014
9 C.	"	.007	.010	.012	.018	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026
10 A.	Woolly Butt	.007	.010	.012	.018	.026	.026	.026	.026	.026	.026	.026	.026	.026	.026
10 B.	"	.006	.008	.010	.013	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014
10 C.	"	.006	.008	.010	.013	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014
10 D.	"	.004	.006	.007	.009	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014

No good; split.

Not quite square.

Shrunk.

TABLE IV.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of														Crushing Weight in Pounds.	REMARKS.
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.	lbs. 15,680.	lbs. 16,800.		
VICTORIA.																	
10 Ad.	Woolly Butt	•005	•007	•009	•013	•030	•020	..	..	..	..	..	..	..	..	7,168
10 Ab.	"	•006	•007	•009	•012	•014	..	..	..	..	..	..	..	..	..	8,064
10 Ac.	"	•007	•008	•010	•013	•023	..	..	..	..	..	..	..	..	..	7,448
10 Ad.	"	•004	•005	•008	•010	•013	..	..	..	..	..	..	..	..	..	7,504
11 A.	Broad-leaved Box Tree	•008	•013	•017	•026	..	..	..	..	..	..	..	..	..	..	6,160
11 B.	"	•009	•012	•016	•027	..	..	..	..	..	..	..	..	..	..	5,768
11 C.	"	•008	•012	•017	•022	..	..	..	..	..	..	..	..	..	..	6,244
11 D.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Symptoms of dry rot. Symptoms of dry rot. No experiments.
12 A.	Honeysuckle	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12 C.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12 D.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13 Ad.	Coast Tea Tree	•017	..	..	..	..	..	..	..	..	..	..	..	..	..	2,968
13 Ab.	"	•018	•008	•010	•012	•015	..	..	..	..	..	..	..	..	..	2,949
14 A.	Gully Tree Fern	•006	•008	•010	•012	•022	..	..	..	..	..	..	..	..	..	7,653
14 B.	"	•006	•008	•012	•022	..	..	..	..	..	..	..	..	..	..	7,053
14 C.	"	•010	•014	•018	•023	..	..	..	..	..	..	..	..	..	..	6,412
14 D.	"	•006	•007	•010	..	..	..	..	..	..	..	..	..	..	..	6,406
14 Ad.	"	•006	•008	•012	..	..	..	..	..	..	..	..	..	..	..	5,460
14 Ab.	"	•006	•008	•012	..	..	..	..	..	..	..	..	..	..	..	5,086
14 Ac.	"	•006	•008	•012	..	..	..	..	..	..	..	..	..	..	..	4,928
14 Ad.	"	•007	•010	..	..	..	..	..	..	..	..	..	..	..	..	4,032
15 A.	Musk Tree	•008	•012	..	..	..	..	..	..	..	..	..	..	..	..	4,256
15 B.	"	•008	•010	..	..	..	..	..	..	..	..	..	..	..	..	3,808
15 C.	"	•010	•026	•015	..	..	..	..	..	..	..	..	..	..	..	5,152
16 A.	Desert Cypress Pine	•006	•009	•015	..	..	..	..	..	..	..	..	..	..	..	Symptoms of dry rot. No good, had a shake. Split.
16 B.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16 C.	"	•004	•006	•009	•010	•014		5,525
16 D.	"	•006	•007	•009	•010	•014		7,784
22 A.	Iron Bark Tree	•005	•007	•008	•010	•012	•014	..	..	..	..	..	..	..	..	8,624
22 B.	"	•005	•007	•008	•010	•012	•015	..	..	..	..	..	..	..	..	8,848
22 C.	"	•005	•007	•008	•011	•018	•023	..	..	..	..	..	..	..	..	8,708
22 D.	"	•007	•008	..	..	..	..	..	..	..	..	..	..	..	..	..
28 A.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B. C.	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Symptoms of dry rot.
Symptoms of dry rot.
} No experiments.

Symptoms of dry rot.
No good, had a shake.
Split.

TABLE IV.—continued.

TABLE IV.—*continued.*

No. of Specimen.	Local Name.	Compression at a Weight of										lbs. 15,680.	lbs. 16,800.	Crushing Weight in Pounds.	REMARKS.			
		lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.	lbs. 11,200.	lbs. 12,320.	lbs. 13,440.	lbs. 14,560.					
VICTORIA.																		
Spurious Mulberry Tree—																		
39 A.	"	—	—	—	—	—	—	—	—	—	—	—	—	—	No experiments.			
39 B.	"	—	—	—	—	—	—	—	—	—	—	—	—	—				
39 C.	"	—	—	—	—	—	—	—	—	—	—	—	—	—				
39 D.	"	—	—	—	—	—	—	—	—	—	—	—	—	—				
39 Aa.	"	.018	—	—	—	—	—	—	—	—	—	—	—	—				
39 Ab.	"	—	—	—	—	—	—	—	—	—	—	—	—	—				
39 Ac.	"	—	—	—	—	—	—	—	—	—	—	—	—	—				
39 Ad.	"	—	—	—	—	—	—	—	—	—	—	—	—	—				
40 A.	Coast Honeysuckle	.009	.018	—	—	—	—	—	—	—	—	—	—	2,576				
40 B.	"	.008	.012	—	—	—	—	—	—	—	—	—	—	—				
40 C.	"	.009	—	—	—	—	—	—	—	—	—	—	—	—				
40 D.	"	.005	.007	.008	.012	.018	—	—	—	—	—	—	—	—				
42 A.	"	.006	.007	.008	.010	.016	—	—	—	—	—	—	—	—				
42 B.	"	.005	.006	.008	.011	.024	—	—	—	—	—	—	—	—				
42 C.	"	.006	.008	.005	.008	.009	—	—	—	—	—	—	—	—				
42 D.	"	.004	.005	.006	.008	.010	—	—	—	—	—	—	—	—				
42 Aa.	"	.005	.006	.008	.010	.019	—	—	—	—	—	—	—	—				
42 Ab.	"	.005	.006	.008	.010	.014	—	—	—	—	—	—	—	—				
42 Ac.	"	.005	.006	.008	.010	.014	—	—	—	—	—	—	—	—				
42 Ad.	"	.005	.006	.008	.010	.014	—	—	—	—	—	—	—	—				
43 A.	"	.003	.007	.008	.010	.014	—	—	—	—	—	—	—	—	No experiments.			
43 B.	"	.003	.007	.008	.010	.014	—	—	—	—	—	—	—	—				
43 C.	"	.003	.007	.008	.010	.014	—	—	—	—	—	—	—	—				
43 D.	"	.004	.006	.007	.008	.012	—	—	—	—	—	—	—	—				
43 E.	"	.004	.006	.007	.008	.012	—	—	—	—	—	—	—	—				
43 F.	"	.004	.006	.007	.008	.012	—	—	—	—	—	—	—	—				
43 G.	"	.004	.006	.007	.008	.012	—	—	—	—	—	—	—	—				
43 H.	"	.004	.006	.007	.008	.012	—	—	—	—	—	—	—	—				
43 I.	"	.004	.006	.007	.008	.012	—	—	—	—	—	—	—	—				
43 J.	"	.004	.006	.007	.008	.012	—	—	—	—	—	—	—	—				
Honeysuckle																		
44 A.	"	.006	.007	.009	.011	.015	—	—	—	—	—	—	—	—	No experiments.			
44 B.	"	—	—	—	—	—	—	—	—	—	—	—	—	—				
44 C.	"	—	—	—	—	—	—	—	—	—	—	—	—	—				
44 D.	"	—	—	—	—	—	—	—	—	—	—	—	—	—				
45 A.	Wattle	.008	.012	.016	—	—	—	—	—	—	—	—	—	—				
45 B.	"	.004	.006	.007	.010	—	—	—	—	—	—	—	—	—				
45 C.	"	.006	.008	.010	.014	—	—	—	—	—	—	—	—	—				
45 D.	"	.008	.010	.015	—	—	—	—	—	—	—	—	—	—				
45 E.	"	—	—	—	—	—	—	—	—	—	—	—	—	—				
45 F.	"	—	—	—	—	—	—	—	—	—	—	—	—	—				

TABLE V.

In this Table the Woods are arranged in the order of their Crushing Weight in the direction of the Fibre.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
257 A. B. C.	Poui - - -	Trinidad - - -	16,128	2
4 A. B.	Canasin - - -	British Honduras - - -	15,339	2
10,373 A.	Gnoo-shwoay - - -	East India - - -	15,120	1
212 A. B.	Jamaica Ebony - - -	Jamaica - - -	14,765	2
10,485 A. B. C.	Padouk - - -	East India - - -	13,533	3
319 A. B. C.	Section of Cocoa Nut - - -	Jamaica - - -	13,482	2
121 A. B. C.	Weeping Myall - - -	Queensland - - -	13,426	2
221 A. B.	Guatamare - - -	Trinidad - - -	13,370	2
1 A. B. C. D.	White or Pale Iron Bark - - -	New South Wales (S.) - - -	13,349	4
2,468 A.	Pannaga - - -	East India - - -	13,300	1
2,471 A.	Kasso - - -	Do. - - -	13,216	1
341 A.	Iron Wood - - -	Jamaica - - -	13,216	1
80 A. B.	Iron Wood - - -	East India - - -	13,118	2
4,754 A. B.	Iron Wood - - -	Do. - - -	13,048	2
297 A. B. C. D.	Red Heart (? leaf or heart).	Jamaica - - -	12,950	4
121 A. B.	Weeping Myall - - -	Queensland - - -	12,922	2
2,345 A.	Tenasserim Mahogany - - -	East India - - -	12,880	1
216 A.	Purple Heart - - -	Trinidad - - -	12,796	1
319 E. B. E. B.	Section of Cocoa Nut - - -	Jamaica - - -	12,726	2
4 A.	Victoria - - -	Victoria - - -	12,628	1
122 A. B. C. D.	Bricklow - - -	Queensland - - -	12,502	2
223 A. B. C. D.	Braziletto - - -	Jamaica - - -	12,369	4
2 A. B.	Cranadilla - - -	British Honduras - - -	12,278	2
77 A. B.	Iron Bark of the Clarence - - -	New South Wales (N.) - - -	12,264	2
10 A. B. C.	Cedar - - -	Liberia - - -	12,214	3
20 A. B. C. D.	Cumara, or Tonka - - -	British Guiana - - -	12,212	4
345 A. B.	Wild Orange - - -	Jamaica - - -	12,175	2
120 A. B.	Acacia Sp. - - -	Queensland - - -	12,096	1
115 A. B.	Acacia Sp. - - -	Do. - - -	11,984	2
217 A. B.	Locust - - -	Trinidad - - -	11,834	2
5,607 A.	Peasal - - -	East India - - -	11,816	1
16 A. B. C. D.	Burneh, Bully, or Bullet Tree.	British Guiana - - -	11,722	4
20 A. B.	Callum - - -	Queensland - - -	11,564	2
216 A. B. C. D.	Dog Wood - - -	Jamaica - - -	11,470	4
10,358 A. B.	Gangan - - -	East India - - -	11,438	2
355 A. B.	Black Rosewood - - -	Jamaica - - -	11,340	2
63 A. B.	Flintamendosa - - -	New South Wales (N.) - - -	10,248	2
13 A. B. C. D.	Bastard Box - - -	Do. (S.) - - -	11,221	4
13 A. B. C. D.	Bastard Box - - -	Do. (S.) - - -	11,144	2
350 A. B.	Green Heart - - -	Jamaica - - -	11,060	2
7,629 A. B.	Bom Mai Za - - -	East India - - -	11,022	2
10,379 A. B.	Padouk - - -	Do. - - -	10,976	1
339 A. B. C. D.	Naseberry Bullet Tree - - -	Jamaica - - -	10,836	4
71 A. B.	Swamp Mahogany - - -	Queensland - - -	10,822	2
558 A. B. C.	Blue Gum - - -	Tasmania - - -	10,811	3
11 A. B. C. D.	Bastard Box of Illawarra - - -	New South Wales (S.) - - -	10,759	4
11 A. B. C.	Black Gum - - -	Liberia - - -	10,686	3
117 A. B.	Rosewood - - -	Queensland - - -	10,640	2
3 A. B. C.	Iron Bark - - -	New South Wales (S.) - - -	10,640	3
371 A. B. C. D.	Stringy Bark - - -	Tasmania - - -	10,612	4
71 A. B.	Swamp Mahogany - - -	Queensland - - -	10,612	1
5,600 A.	Sissoo, Black - - -	East India - - -	10,584	1
5 A. B. C. D.	Iron Bark - - -	New South Wales (S.) - - -	10,458	4
8 A. B. C. D.	Narrow-leaved Iron Bark - - -	Do. (S.) - - -	10,458	2
122 A. B.	Bricklow - - -	Queensland - - -	10,378	2
140 A. B.	Sandal Wood - - -	East India - - -	10,360	1
2 A. B.	White Iron Bark - - -	New South Wales (S.) - - -	10,332	2
214 A. B. C. D.	Savonette Jaune - - -	Trinidad - - -	10,282	4
319 C. B. C.	Section of Cocoa Nut - - -	Jamaica - - -	10,257	2
8 A. B. C. D.	Black Wood - - -	Tasmania - - -	10,173	4
72 A. B.	Woolly Butt - - -	Queensland - - -	10,164	2
A.	Spoke of a Wheel - - -	New South Wales (S.) - - -	10,136	1
10,388 A. B.	Pangah - - -	East India - - -	10,136	2
67 A. B.	Spotted Gum - - -	Queensland - - -	10,094	2
13 A. B.	Bullet Wood - - -	British Honduras - - -	10,080	2
24 A. B.	Broad-leaved Cherry - - -	British Honduras - - -	10,080	2

TABLE V.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
237 A. B.	Sapodilla, Sapotillier	Trinidad	10,052	2
18 A. B.	Box Wood	Liberia	10,047	2
106 A. B.	Iron Wood	New South Wales (N.)	10,024	2
9 A. B.	Swamp Oak	Queensland	9,968	2
10,357 A.	Theya	East India	9,968	1
147 A.	Terruvah	Do.	9,940	1
7,065 A.	Gaham Bada	Do.	9,930	2
160 A. B.	White Lance Wood	Jamaica	9,893	1
10,376 A.	Yin-dike	East India	9,881	4
185 A. B. C. D.	Noyea	Trinidad	9,860	4
7 A. B. C. D.	Narrow-leaved, Smooth or Red, Iron Bark.	New South Wales (S.)	9,856	1
4,664 A.	Beejah	East India	9,744	2
276 A. B.	Guatcare	Trinidad	9,744	1
7,067 A.	Bia-babi	East India	9,730	2
10,489 A. B.	Kya Ya	Do.	9,716	2
72 A. A. A. B.	Woolly Butt	Queensland	9,657	3
358 A. B. C.	White Rosewood	Jamaica	9,655	4
14 A. B. C. D.	Bastard Box	New South Wales (S.)	9,646	2
63 A. A. A. B.	Black Iron Bark	Queensland	9,632	2
265 A. B.	Red Mangrove	Trinidad	9,632	4
17 A. B. C. D.	Flooded Gum	New South Wales (S.)	9,622	3
1 A. B. C. D.	Peppermint Tree	Victoria	9,576	1
7,086 A.	Dammerlaut	East India	9,576	2
64 A. B.	Grey Iron Bark	Queensland	9,562	2
91 A. B.	Crab Tree	Do.	9,527	4
200 A. B. C. D.	Laurier Canelle	Trinidad	9,457	3
104 A. B. C.		East India	9,436	2
371 A. B. C. D.	White Torch	Jamaica	9,436	4
65 A. B.	Red Iron Bark	Queensland	9,401	4
4 A. B. C. D.	Broad-leaved Rough Iron Bark.	New South Wales (S.)	9,352	1
10,384 A.	Thitsee	East India	9,338	2
117 A. A. A. B.	Rosewood	Queensland	9,324	2
10,390 A. B.	Ktoughyan	East India	9,296	1
2,493 A.	Klaydang	Do.	9,296	1
185 A.	Black Wood	Do.	9,244	2
10,491 A. B.	Zangyeeat-doup (Oak-leaved Polypod).	Do.	9,233	4
46 A. B. C. D.	Stringy Bark of Coast	New South Wales (S.)	9,212	4
23 A. B. C. D.	Grey Gum	Do. (S.)	9,212	2
84 A. B.	Marble Wood	Do. (N.)	9,184	2
65 A. A. A. B.	Red Iron Bark	Queensland	9,170	1
5,609 A.	Keehar	East India	9,170	2
67 A. A. A. B.	Spotted Gum	Queensland	9,127	2
228 A. B.	Yellow Candle Wood	Jamaica	9,114	2
103 A. B.	Grey Gum	New South Wales (N.)	9,072	1
24 A. A. A. B.	Broad-leaved Cherry	Queensland	9,072	4
10,440 A.	Baman	East India	9,072	1
37 A. B. C. D.	Eucalyptus Sp.	New South Wales (S.)	9,058	2
4,671 A.	Baubil	East India	9,035	1
61 A. A. A. B.	Myrtacæ	Queensland	9,022	3
3,952 A.	Iymungul	East India	9,020	4
10,478 A. B. C.	Nat Gyee	Do.	9,016	2
15 A. B. C. D.	Mora	British Guiana	9,016	2
1,220 A. B.	Unjun	East India	9,016	2
36 A. A. A. B.	Pseudalangium Tomen-tosum.	Queensland	8,974	2
64 A. B.	Broad-leaved Tea Tree	New South Wales (S.)	8,960	1
2,465 A.	Marabow	East India	8,960	2
64 A. A. A. B.	Grey Iron Bark	Queensland	8,960	1
5,602 A.	Abloos or Kandoo	East India	8,960	1
7,093 A.	Gading-gading	Do.	8,940	1
8 A.	Pimento	British Honduras	8,932	2
67 A. B.	Nono Gynandii	New South Wales (N.)	8,932	2
328 A. B.	Black Bullet Tree	Jamaica	8,932	1
5,606 A.	Sissou, Red	East India	8,918	2
48 A. A. A. B.	Cymnosma Oblongifolia	Queensland	8,879	4
201 A. B. C. D.	Red Candle Wood	Jamaica	8,876	2
63 A. B.	Black Iron Bark	Queensland	8,862	2
5 A. B.	Kakaralli	British Guiana	8,848	1
110 A. B.	Ixora Thozetiana, F.M.	Queensland	8,848	1
7,071 A.	Murbow	East India	8,848	1
28 A. B. C. D.	Native Plum	New South Wales (N.)	8,848	4

TABLE V.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
12 <i>Aa. Ab.</i>	Flindosa - - -	Queensland - - -	8,834	2
14 A. B.	Tastab - - -	British Honduras - - -	8,834	2
100 A. B.	Olive Tree - - -	Queensland - - -	8,834	2
68 <i>Aa. Ab.</i>	Turpentine Tree - - -	Do. - - -	8,820	2
10,348 A. B.	Petwoon - - -	East India - - -	8,806	2
68 A. B.	Turpentine Tree - - -	Queensland - - -	8,806	2
89 A. B.	Found in the Brush Forest on the Clarence.	New South Wales (N.) - - -	8,792	2
319 <i>Ba. Bb. Bc. Bd.</i>	} Section of Cocoa Nut - - -	Jamaica - - -	8,766	4
10,434 A.	Theetmin - - -	East India - - -	8,764	1
2,474 A.	Brombong - - -	Do. - - -	8,764	1
243 A. B.	Acoma or Mastic - - -	Trinidad - - -	8,754	2
373 <i>Ca. Cb. Cc.</i>	Stringy Bark - - -	Tasmania - - -	8,717	3
47 A. B. C. D.	Do. Appin - - -	New South Wales (S.) - - -	8,708	4
4,660 A.	Surrye - - -	East India - - -	8,699	1
8 <i>Ca. Cb. Cc. Cd.</i>	Black Wood - - -	Tasmania - - -	8,680	4
7,066 A.	Rungas - - -	East India - - -	8,680	1
38 A. B. C. D.	Grey Gum from Brisbane Water.	New South Wales (S.) - - -	8,666	4
88 A. B.	Found in the Brush Forest on the Clarence.	Do. - - (N.) - - -	8,638	2
57 A. B.	Iron Wood - - -	Queensland - - -	8,633	2
407 A.	Star Apple - - -	Jamaica - - -	8,624	1
5,598 A.	Sal - - -	East India - - -	8,624	1
100 <i>Aa. Ab.</i>	Olive Tree - - -	Queensland - - -	8,596	2
10,382 A.	Pouktheuma - myck-kyouk.	East India - - -	8,587	1
372 A. B. C. D.	Blue Gum - - -	Tasmania - - -	8,577	4
61 A. B.	Myrtace - - -	Queensland - - -	8,568	1
10,397 A.	Thabyehgah - - -	East India - - -	8,568	1
218 A. B. C. D.	Naranjillo Amarillo - - -	Trinidad - - -	8,556	4
367 A. B. C. D.	Iron Wood - - -	Tasmania - - -	8,551	4
5,601 A.	Burdur - - -	East India - - -	8,549	1
48 A. B. C. D.	Stringy Bark, Camden - - -	New South Wales (S.) - - -	8,547	4
10,352 A. B.	Eng - - -	East India - - -	8,531	2
123 A. B.	Acacia - - -	Queensland - - -	8,516	2
60 A. B.	Hickory, Lignum Vitæ - - -	New South Wales (N.) - - -	8,512	2
7,531 A.	- - -	East India - - -	8,512	1
373 A. B. C. D.	Stringy Bark - - -	Tasmania - - -	8,505	4
21 A. B. C. D.	Blue Gum - - -	New South Wales (S.) - - -	8,498	4
22 A. B. C. D.	Iron Bark Tree - - -	Victoria - - -	8,491	4
10,367 A. B.	Broomayza - - -	East India - - -	8,484	2
23 <i>Aa. Ab.</i>	Mountain Ash - - -	Queensland - - -	8,460	2
84 A. B.	Black Wattle of Illawarra.	New South Wales (S.) - - -	8,456	2
27 A. B. C. D.	Black Butt Gum - - -	Do. (S.) - - -	8,449	4
10,410 A. B.	Hteingalah - - -	East India - - -	8,456	1
10,420 A. B.	Than-day - - -	Do. - - -	8,437	1
10,482 A. B.	Pune Tha - - -	Do. - - -	8,428	2
28 A. B. C. D.	- - -	Victoria - - -	8,421	4
40 <i>Aa. Ab.</i>	Cupania Sp. - - -	Queensland - - -	8,400	2
111 A. B.	Notelxa Longifolia - - -	Do. - - -	8,400	2
196 A. B.	Beef Wood - - -	Trinidad - - -	8,400	2
13 A. B.	Wobul - - -	New South Wales (N.) - - -	8,386	2
34 A. B.	Dark Yellow Wood - - -	Queensland - - -	8,376	2
10,226 A.	Sissoo - - -	East India - - -	8,344	1
4,668 A.	Dhowrah - - -	Do. - - -	8,344	1
75 <i>Aa. Ab. Ac.</i>	Pottosporum, or Waddy Wood.	Tasmania - - -	8,338	3
66 <i>Aa. Ab.</i>	Stringy Bark - - -	Queensland - - -	8,330	2
226 A. B. C. D.	Angelin - - -	Trinidad - - -	8,325	2
270 A. B.	Wild Guava - - -	Do. - - -	8,307	2
10,355 A. B.	Thingadoc - - -	East India - - -	8,306	2
29 A. B. C.	Hitchia - - -	British Guiana - - -	8,288	1
40 A. B. C.	Urobie - - -	New South Wales (N.) - - -	8,288	3
70 A. B.	Myrtle - - -	Do. (S.) - - -	8,288	2
105 A. B.	River or White Oak - - -	Do. (S.) - - -	8,288	2
26 C. D.	Spotted or Mottled Gum - - -	Do. (S.) - - -	8,260	2
74 A. B.	White Myrtle - - -	Do. (S.) - - -	8,260	2
577 A. B. C. D.	Blue Gum - - -	Do. (N.) - - -	8,260	2
12 A. B.	Flindosa - - -	Tasmania - - -	8,248	4
154 A. B.	Red Ash, Leather Jacket, Coopers' Wood.	Queensland - - -	8,246	2
		New South Wales (S.) - - -	8,232	2

TABLE V.—*continued.*

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
17 A.	Sapodilla - -	British Honduras -	8,204	1
66 A. B.	Stringy Bark - -	Queensland - -	8,176	2
85 A. B. C.	Peppermint - -	Tasmania - -	8,151	3
10 A. B. C. D.	Box of Illawarra - -	New South Wales (S.) -	8,148	4
210 A. B. C.	Casuarina Equisetifolia -	Jamaica - -	8,148	3
21 A. B. C. D.	Black Oak - -	Liberia - -	8,145	4
10,475 A. B.	Nanee Auka - -	East India - -	8,134	2
10,477 A. B. C.	Kay Yoob - -	Do. - -	8,134	2
29 Aa. Ab. Ac. Ad.	- - - -	Victoria - -	8,113	4
36 A. B.	Larrabee - -	New South Wales (N.) -	8,106	2
363 A.	Beech Wood - -	Jamaica - -	8,092	1
144 A.	Bengha - -	East India - -	8,092	1
36 A. B.	Pseudalangium Tomen- tosum. - -	Queensland - -	8,092	2
54 A. B.	Schmidilia pyriformis -	New South Wales (N.) -	8,092	2
88 A. B.	Bursaria Ferruginea - -	Queensland - -	8,078	2
58 A. B.	Myrtle - -	Do. - -	8,078	2
58 A. B.	Mahogany - -	Liberia - -	8,064	2
6 A. B.	Forest Oak - -	Queensland - -	8,064	2
110 Aa. Ab.	Ixora Thozetiana, F.M. -	Do. - -	8,064	2
7,514 A. B.	Sakhoo - -	East India - -	8,050	2
218 A. B.	Dog Wood - -	Jamaica - -	8,045	2
88 Aa. Ab.	Bursaria Ferruginea -	Queensland - -	8,036	2
58 Aa.	Myrtle - -	Do. - -	8,036	1
73 Aa. Ab.	Blue Gum - -	Do. - -	8,036	2
360 A. B. C. D.	Tea Tree - -	Tasmania - -	8,031	4
10,356 A. B.	Engyin - -	East India - -	8,022	2
10,375 A. B.	May-za-lee - -	Do. - -	8,008	2
29 A. B.	Lignum Vitæ - -	Queensland - -	8,003	2
25 A. B. C. D.	Rough-barked Gum - -	New South Wales (S.) -	8,001	4
10,406 A. B.	Bingah - -	East India - -	7,994	2
97 A. B.	Sersatisia Sericea, R. B.	Queensland - -	7,952	2
267 A. B. C. D.	White Bully Tree - -	Jamaica - -	7,980	4
220 A. B.	Casse - -	Trinidad - -	7,970	2
262 A. B. C. D.	Olivier - -	Do. - -	7,959	4
14 A. B.	Found near Lismore, near Richmond River.	New South Wales (N.) -	7,952	2
102 A. B. C. D.	Flooded Gum - -	Do. (N.) -	7,949	4
3 A. B. C.	Tovrie - -	Do. (N.) -	7,911	3
44 A. B. C. D.	Mahogany - -	Do. (S.) -	7,884	4
94 A. B.	Silver Tree - -	Queensland - -	7,868	1
21 A. B. C. D.	Caoutchouc - -	British Honduras -	7,853	4
54 A. B.	Turpentine - -	New South Wales (S.) -	7,840	2
7,092 A.	Madang Serai - -	East India - -	7,840	1
111 Aa. Ab.	Notelaea Longifolia -	Queensland - -	7,840	2
106 Ca. Cb.	Gerjeria Salicifolia -	Do. - -	7,840	2
71 A. B.	Swamp Oak - -	New South Wales (N.) -	7,826	2
44 Aa. Ab.	Tulip Wood - -	Queensland - -	7,821	2
86 A. B.	Woodumpar - -	East India - -	7,798	2
34 A. B. C. D.	- - - -	Victoria - -	7,795	4
5,610 A.	Koozoom - -	East India - -	7,784	1
10,354 A. B.	Thingan - -	Do. - -	7,784	2
15 A.	Mabinjuh or Mabinjuh -	British Honduras -	7,784	1
4,658 A.	Putteereea Sagoon - -	East India - -	7,765	1
19 Aa. Ab.	Light Wood - -	Queensland - -	7,756	2
106 Ba. Bb.	Gerjeria Salicifolia -	Do. - -	7,742	2
7,072 A.	Klat - -	East India - -	7,728	1
4 A. B. C. D.	Wadaduri or Monkey Nut. - -	British Guiana - -	7,707	4
30 A. B. C.	- - - -	East India - -	7,690	3
29 Aa. Ab.	Lignum Vitæ - -	Queensland - -	7,672	2
47 A. B. C. D.	Rosewood - -	New South Wales (N.) -	7,659	3
108 A. B.	Canthium Lamprophyll- um. - -	Queensland - -	7,658	2
354 A. B.	Sweet Wood - -	Jamaica - -	7,653	2
5,608 A.	Koozoom - -	East India - -	7,616	1
169 A. B. C. D.	Red Wood - -	Jamaica - -	7,611	4
10,225 A.	Saul - -	East India - -	7,588	1
40 A. B. C. D.	Messmate - -	New South Wales (S.) -	7,588	4
29 A. B. C. D.	- - - -	Victoria - -	7,581	4
7,622 A. B. C. D.	Oak An - -	East India - -	7,576	4
10,349 A. B.	Dwane - -	Do. - -	7,564	2
24 A. B. C. D.	Woolly Butt of Illawarra	New South Wales (S.) -	7,560	4

TABLE V.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
10 A. A. B. C. D.	Woolly Butt	Victoria	7,546	4
374 A. B. C. D.	Blue Gum	Tasmania	7,541	3
10,416 A. B.	Toung-za-lat	East India	7,532	2
81 A. B.	Croton Phebaloides, R. B.	Queensland	7,532	2
5,603 A.	Assan	East India	7,532	1
66 A. B.	Bastard Myall	New South Wales (N.)	7,531	2
15 A. B. C. D.	Burr Wood	Liberia	7,527	4
49 A. B. C. D.	Stringy Bark, Berrima	New South Wales (S.)	7,522	4
49 A. A. B.	Mimusops Parviflora	Queensland	7,518	2
14 A. B. C. D.	Houbaballi	British Guiana	7,516	4
5 A. B. C. D.	Brush Bastard or White Box.	New South Wales (N.)	7,511	4
2,470 A.	Klat Mera	East India	7,504	1
326 A. B.	Red Wood	Jamaica	7,504	2
44 A. B.	Tulip Wood	Queensland	7,490	2
8 A. A. B. B. C.	Black Wood	Tasmania	7,485	3
43 A. B. C. D.		Victoria	7,478	4
43 A. B.	Bat and Ball, Native Orange, Native Pomegranate.	New South Wales (N.)	7,448	2
106 A. A. B.	Gerjaria Salicifolia	Queensland	7,448	2
108 A. A. B.	Canthium Lamprophyllum.	Do.	7,434	2
4,662 A.	Dhengun	East India	7,420	1
73 A. B.	Blue Gum	Queensland	7,420	2
7 A. B. C. D.	Moraballi or Mooraballi	British Guiana	7,401	4
16 A. B.	Subin or Cubin	British Honduras	7,396	2
49 A. B.	Mimusops Parviflora	Queensland	7,392	2
7,520 A.		East India	7,364	1
320 A. B.	Yoke Wood	Jamaica	7,364	2
373 A. A. B.	Stringy Bark	Tasmania	7,354	3
Ac. Ad.				
32 A. B.	Plum Tree	Queensland	7,345	2
155 A. B. C. D.	Tapana	Trinidad	7,336	2
48 A. B.	Cyminosma Oblongifolia	Queensland	7,331	2
8 A. B. C. D.		Victoria	7,324	4
3,961 A.	Mowah	East India	7,317	1
10,405 A. B.	Hnau	Do.	7,308	2
42 A. B. C.	Swamp Mahogany	New South Wales (S.)	7,280	3
6,550 A.	Pangah	East India	7,243	1
372 A. B.	Beef Apple	Jamaica	7,242	2
10,417 A.	Paet-than	East India	7,224	1
21 A. B.	Wootarie	New South Wales (N.)	7,224	2
19 A. B.	Light Wood	Queensland	7,224	2
18 A. B. C.	Caraba or Crab Wood	British Guiana	7,217	3
40 A. B.	Cupania Sp.	Queensland	7,210	2
2 A. B. C. D.	Grey Box Tree	Victoria	7,208	4
24 A. B. C. D.	Ash, Beech, and Flindosa	New South Wales (N.)	7,193	4
11 A.	Chucya	British Honduras	7,196	1
284 A. B.	Tecoma Stans	Jamaica	7,168	2
64 A. B.	Tea Tree	New South Wales (N.)	7,168	2
2 A. A. B. C. A. D.	Grey Box Tree	Victoria	7,163	4
53 A. B.	Myrtus Trinervis	Queensland	7,154	2
105 A. B.	Light Yellow Wood	New South Wales (N.)	7,149	2
116 A. B. C. D.	Blue Gum	Tasmania	7,147	4
4,661 A.	Jimorasse	East India	7,131	1
54 A. A. B.	Myrtus Argentea	Queensland	7,126	2
222 A. B. C. D.	Bois Mulatre	Trinidad	7,116	4
52 A. B. C. D.	Apple Tree of Coast	New South Wales (N.)	7,107	4
104 A. B.	Found in the Bricklow Scrubs.	Queensland	7,098	2
171 A. B. C.	Galba	Trinidad	7,095	4
104 A. A. B.	Found in the Bricklow Scrubs.	Queensland	7,070	2
23 A. B.	Mountain Ash	Do.	7,070	2
75 A. B. C.	Pottosporum or Waddy Wood.	Tasmania	7,068	3
20 A. B. C.	Iron Wood	Liberia	7,061	3
3,949 A.	Hurdoo	East India	7,056	1
7,529 A.	Asna or Asan	Do.	7,056	1
3 A. B.	Coast Tea Tree	Victoria	7,055	2
113 A. A. B.	Mangrove	Queensland	7,042	2
10 A. B. C. D.	Woolly Butt	Victoria	7,035	4

TABLE V.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
332 A. B. C. D.	Hog-berry	Jamaica	7,032	3
10,364 A.	Pinlay-oong	East India	7,028	1
10,386 A.	Nabhay	Do.	7,019	1
15 A. B. C.	Box	New South Wales (S.)	7,012	3
2,476 A.	Marsawa	East India	7,000	1
42 A. G. A. B. A. C. A. D.		Victoria	6,983	4
280 A. B. C. D.	Genipa	Trinidad	6,983	4
365 A. B.	Wild Cinnamon	Jamaica	6,981	2
164 A. B. C. D.	Blood or Iron Wood	Do.	6,979	4
3,956 A.	Taman	East India	6,972	1
45 A. A. A. B.	Schmidelia Pyriformis	Queensland	6,944	2
6 A.	Chucxax	British Honduras	6,944	1
109 A. B.	Swamp Mahogany	New South Wales (N.)	6,944	2
338 A. B. C.	Spanish Elm	Jamaica	6,937	3
10,399 A. B.	Laisah	East India	6,934	2
207 A. B. C. D.	Canto	Trinidad	6,913	4
376 A. B.	Blood-red Wood	Jamaica	6,906	2
14 A. B. C. D.	Gully Tree Fern	Victoria	6,904	4
53 A. B.	Carissapoata	New South Wales (N.)	6,902	2
61 A. B. C. D.	Flindosa	Do. (N.)	6,901	4
384 A. B. C. D.	Black Mahogany or Blood-red Wood	Jamaica	6,892	4
137 A. B.	Wallandun Deyern	New South Wales (S.)	6,888	2
7,677 A. B.	Tseek Tha	East India	6,888	2
51 A. A. A. B.	Croton Phebalioides, R. B.	Queensland	6,874	2
57 A. B. C. D.	Hickory	New South Wales (S.)	6,846	4
10,359 A. B.	Toung-tha-lay	East India	6,841	2
111 A. B. C. D.	Water Gum	New South Wales (N.)	6,804	4
84 A. B.	Satin Wood	Queensland	6,804	2
219 A. B. C. D.	Tamarind	Trinidad	6,804	4
20 A. B. C. D.	Blue Gum	New South Wales (S.)	6,778	4
17 A. B.	Tulip Tree	Queensland	6,776	2
168 A. B. C. D.	Surette	Trinidad	6,762	4
104 A. B.	Bitter Bark	New South Wales (N.)	6,748	2
169 A. B. C. D.	Paraman	Trinidad	6,741	4
69 A. B.	Found at Clarence and Richmond Brush Forest.	New South Wales (N.)	6,729	2
55 A. B.	Backhousia Citriodora	Queensland	6,720	2
3,951 A.	Pindar	East India	6,720	1
6,548 A.	Nabhay	Do.	6,720	1
3,955 A.	Kardahee	Do.	6,688	1
55 A. B.	Water Gum	New South Wales (S.)	6,684	2
7,090 A.	Kumpas	East India	6,683	1
6,551 A.	Lein	Do.	6,683	1
3,953 A.	Rohnee	Do.	6,664	1
9 A. B. C.		Victoria	6,664	2
90 A. B.	Pittosporaceae	Queensland	6,656	2
114 A. B.	Brush Iron Bark	New South Wales (N.)	6,622	2
7 A. B. C.	Wishmore	Liberia	6,620	3
10,426 A. B. C.	Kuyon Teak	East India	6,611	3
60 A. A.	Myrtus Australis	Queensland	6,608	1
3,957 A.	Tine or Sisso	East India	6,608	1
6,542 A.	Kokoh	Do.	6,608	1
5,604 A.	Gumbaree	Do.	6,608	1
10,430 A. B. C.	Tounbein	Do.	6,608	1
10,221 A.	Philibeet	Do.	6,608	1
14 A. A. B. B. C. C.	Gully Tree Fern	Victoria	6,598	4
17 A. A. A. B.	Tulip Tree	Queensland	6,580	2
42 A. B. C. D.		Victoria	6,575	4
25 A.	Roble Blanco	British Honduras	6,571	1
10,380 A.	Kokoh	East India	6,571	1
5,599 A.	Teak Sagoon	Do.	6,571	1
10,394 A. B.	Thabyehgio	Do.	6,570	2
113 A. B.	Mangrove	Queensland	6,552	2
19 A. B. C. D.	Blue Gum of Camden	New South Wales (S.)	6,552	4
3,948 A.	Siris	East India	6,533	1
17 A. B. C.	Brimstone	Liberia	6,510	2
118 A. A. A. B.	Acacia Sapindoides	Queensland	6,496	2
127 A.	Tamarind Tree	New South Wales (S.)	6,468	1
45 A. A. A. B.	Catha Cunningham	Queensland	6,468	1
51 A. B. C. D.	Pencil Cedar, Turnip Wood.	New South Wales (N.)	6,454	4

TABLE V.—*continued.*

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
38 A. B. C. D.	Native Cherry Tree	Victoria	6,449	4
45 A. B.	Schmidelia Pyriformis	Queensland	6,440	2
16 A.	Flooded Gum	New South Wales (S.)	6,440	1
9,239 A.	Bayang Bada	East India	6,440	1
10,476 A. B. C.	Ngoo Tha	Do.	6,430	3
177 A. B. C. D.	Mountain Ash	New South Wales (S.)	6,426	4
76 A. B. C. D.	Black Wattle	Tasmania	6,423	4
6 A. B. C.	Eucalyptus	Victoria	6,421	3
23 A.	Yaxnic or Yaxnig	British Honduras	6,421	1
5 Aa. Ab. Ac.	Mint Tree	Victoria	6,405	3
3,950 A.	Kaim	East India	6,384	1
59 A. B.	Prickly Tea Tree	New South Wales (S.)	6,384	2
6,547 A.	Khyong-yooh	East India	6,384	1
10,393 A. B.	Bambonay	Do.	6,384	2
166 A. B. C.	Soap-nut Tree	Trinidad	6,374	3
106 A. B.	Gerjeria Salicifolia	Queensland	6,370	2
60 A. B.	Myrtus Australis	Do.	6,356	2
10,361 A. B.	Poonyet	East India	6,346	2
5 A. B.	Larch	Russia	6,346	2
3 A. B. C. D.	Chicheur	British Honduras	6,332	4
3,954 A.	Londya	East India	6,328	1
79 Aa. Ab.	Common Tea Tree	Queensland	6,314	2
33 A. B. C. D.	Grey Box Tree	Victoria	6,302	4
6 Aa. Ab.	Forest Oak	Queensland	6,300	2
10,409 A. B.	Htein	East India	6,300	2
93, 94 A. B. C. D.	Myrtle	Tasmania	6,270	4
1,215 A.	Karee	East India	6,272	1
4,659 A.	Doodheca Sagoon	Do.	6,272	1
206 A. B. C. D.	Bois de Fer	Trinidad	6,265	—
12 A. B. C.	Truc or Yellow Box of Camden.	New South Wales (S.)	6,259	3
3 A.	Larch	Russia	6,244	1
18 A.	Kaskat	British Honduras	6,216	1
4 A. B.	Larch	Russia	6,216	2
4,666 A.	Ghattoo	East India	6,197	1
59 A. B.	Myrtus Aemniodes	Queensland	6,197	2
252 A. B. C.	White Mangrove	Jamaica	6,197	3
69 A. B.	Smooth-barked Gum	Queensland	6,188	2
93 Aa. Ab.	Stevaniaceæ	Do.	6,188	2
53 Aa. Ab.	Myrtus Trinervis	Do.	6,188	2
189 A. B. C. D.	Jack Fruit	Jamaica	6,183	4
7,619 A. B.	Ah Nan	East India	6,178	2
7,524 A.	Kaitha	Do.	6,160	1
201 A. B. C. D.	Laurier Blanc	Trinidad	6,160	2
4,557 A.	Seba Sagoon Teak	East India	6,160	1
16 A. B.	Cherry	Liberia	6,160	2
79 A. B.	Common Tea Tree	Queensland	6,132	2
80 Aa. Ab.	Bottle Brush Tree	Do.	6,104	2
52 Aa. Ab.	Hodgkinsonia Ovati-flora.	Do.	6,104	2
23 A. B.	Samah, or Sumach, or Divi-divi Bark.	East India	6,076	2
19 A. B. C.	Cedar	Liberia	6,066	2
4 A. B.	Gulgi	New South Wales (N.)	6,062	2
11 A. B. C. D.	Broad-leaved Tea Tree	Victoria	6,057	3
5,597 A.	Guringa	East India	6,048	1
2,488 A.	Madang Saraya Batoo	Do.	6,048	1
46 A. B.	Catha Cunninghami	Queensland	6,020	2
22 A. B. C. D.	Mahogany	Liberia	6,016	3
12 D.	Gouiphan	New South Wales (N.)	5,992	1
2 A.	Larch	Russia	5,932	1
155 A. B.	Found at Illawarra, Brisbane Water.	New South Wales (S.)	5,980	2
84 Aa. Ab.	Satin Wood	Queensland	5,978	2
20 Aa. Ab. Ac.	Mahogany	Liberia	5,954	4
55 Aa. Ab.	Backhousia Citriodora	Queensland	5,950	2
7,234 A. B.		East India	5,936	2
44 A. B.	Black Myrtle	New South Wales (N.)	5,922	2
47 Aa. Ab.	Lime	Queensland	5,922	2
33 A. B.	Rosewood	Do.	5,908	2
97 A. B. C. D.	White Gum	Tasmania	5,896	4
201 Aa. Ab. Ac.	Laurier Blanc	Trinidad	5,894	2

TABLE V.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiment.
69 <i>aa, ab.</i>	Smooth-barked Gum	Queensland	5,894	2
100 <i>aa, ab.</i>	Ebenaceæ	Do.	5,880	1
7,517 A.	Toon	East India	5,880	1
7,618 A. B.	Thin Gan	Do.	5,880	2
93 A. B.	Celtis Opaca	New South Wales (N.)	5,880	2
89 A. B.	Bursatia Spinosa	Queensland	5,866	2
35 A. B.	Cugerie	Do.	5,852	2
54 A. B.	Myrtus Argentea	Do.	5,852	2
70 <i>aa, ab.</i>	Blood Wood	Do.	5,838	2
41 A. B.	Cupania Pseudorilius	Do.	5,824	—
60 A. B. C.	Common Tea Tree	New South Wales (S.)	5,824	3
45 A. B. C. D.	Wattle	Victoria	5,817	4
108 A. B.	Beech, Brush Cherry	New South Wales (S.)	5,810	2
13 <i>aa, ab.</i>	Flindersia Bennettiana	Queensland	5,810	2
198 A. B. C. D.	Laurel	Trinidad	5,798	4
7,515 A.	Sakhoo	East India	5,796	1
50 A. B.	Maba Geninata	Queensland	5,796	2
7,075 A.	Jermalang	East India	5,796	1
83 <i>aa, ab.</i>	Rottlera	Queensland	5,776	2
248 A. B. C. D.	Cypre	Trinidad	5,761	4
18 A. B. C.	Blue Gum of Coast Districts.	New South Wales (S.)	5,740	3
26 A. B.	Cherry of the Clarence	New South Wales (N.)	5,740	2
32 <i>aa, ab.</i>	Plum Tree	Queensland	5,740	2
10,435 A. B.	Tinyooben	East India	5,740	2
25 A. B.	Cherry	Queensland	5,726	2
35 A. B. C. D.	Stringy Bark	Victoria	5,733	4
20 <i>aa, ab.</i>	Callhum	Queensland	5,712	2
80 A. B.	Bottle Brush Tree	Do.	5,684	2
47 A. B.	Line	Do.	5,656	2
1 A. B.	Bogum-bogum	New South Wales (N.)	5,656	2
7 A. B. C.		Victoria	5,653	3
50 <i>aa, ab.</i>	Maba Geninata	Queensland	5,628	2
212 A. B.	Balsam Capivi	Trinidad	5,628	2
23 A. B. C. D.	Urna Wymbie	New South Wales (N.)	5,614	4
1 A. B. C.	Siricote	British Honduras	5,600	3
33 <i>aa, ab.</i>	Rosewood	Queensland	5,590	2
4,687 A.	Trosum	East India	5,572	1
187 A. B. C. D.	Gommier	Trinidad	5,555	4
7 A.	River Oak	Queensland	5,544	1
45 A. B.	Clarence and Richmond Brush.	New South Wales (N.)	5,488	2
43 A. B. C. D.	Swamp Mahogany	Do. (S.)	5,488	4
7,674 A. B.	Tonk Tsa	East India	5,488	1
1,214 A.	Doodhee	Do.	5,488	1
20 <i>ba, bb.</i>	Callhum	Queensland	5,474	2
13 A. B.	Flindersia Bennettiana	Do.	5,460	2
324 A. B.	Santa-Maria	Jamaica	5,432	2
51 A. B.	Cargillia Australis	Queensland	5,432	2
105 <i>aa, ab.</i>	Barkleya Syringifolia, F.M.	Do.	5,404	2
77 A. B.	Broad-leaved Tea Tree	Do.	5,390	2
105 A. B.	Barkleya Syringifolia, F.M.	Do.	5,384	2
59 <i>aa, ab.</i>	Myrtus Aemeniodes	Do.	5,376	2
7,527 A.	Reem	East India	5,376	1
27 A. B. C.	Native Tamarind	New South Wales (N.)	5,357	3
16 A. B. C. D.	Desert Cypress Pine	Victoria	5,338	2
17 A. B.	Pobo	New South Wales (N.)	5,334	2
112 <i>aa, ab.</i>	Capparidaceæ	Queensland	5,320	2
11 <i>aa, ab.</i>	Light Yellow Wood	Do.	5,320	2
35 <i>aa, ab.</i>	Cugerie	Do.	5,306	2
10,362 A. B.	Gyo	East India	5,301	2
11 A. B.	Light Yellow Wood	Queensland	5,296	2
351 A.	Musk Wood	Jamaica	5,292	1
99 <i>aa, ab.</i>	Bean Tree	Queensland	5,292	2
140 A. B.	Light Wood, Leather Jacket, Coach Wood.	New South Wales (S.)	5,264	2
2,490 A.	Niatoo	East India	5,264	1
31 A. B. C.		Victoria	5,257	3
10 A. B.	Box of Illawarra	New South Wales (N.)	5,250	2
52 A. B.	Hodgkinsonia Ovati-flora.	Queensland	5,236	2
10,419 A. B.	Tha-kloot-ma	East India	5,231	2
83 A. B.	Rottlera	Queensland	5,208	2
25 <i>aa, ab.</i>	Cherry	Do.	5,208	2

TABLE V.--continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
21 A. B.	Cabbage Tree	Queensland	5,208	2
5 Aa. Ab.	The Pine	Do.	5,208	2
25 A. B. C. D.	Urri Burrigundie	New South Wales (N.)	5,189	4
114 A. B.	Celtis Sp.	Queensland	5,180	2
53 A. B. C. D.	Apple Tree	New South Wales (S.)	5,161	4
93 A. B.	Steveniaceae	Queensland	5,152	2
5,605 A.	Jack "Punsee"	East India	5,152	1
9 A. B.	Santa-Martia	British Honduras	5,110	2
72 A. B. C.		East India	5,096	3
4,665 A.	Kowah	Do.	5,096	1
6 A. B. C. D.	Red Box	New South Wales (N.)	5,082	4
116 A. B.	Acacia Sp.	Queensland	5,068	2
76 Aa. Ab.	Prickly-leaved Tea Tree	Do.	5,054	2
4,672 A.	Kuhmee	East India	5,040	1
8 A. B.	Shingle Oak	Queensland	5,021	2
86 A. B.		Do.	4,984	1
43 Aa. Ab.	Tamarind Tree	Do.	4,956	2
56 Aa. Ab.	Eugenia Marginata	Do.	4,928	2
39 A. B.	Sassafras	Do.	4,900	2
38 Aa. Ab.	Grey Plum	Do.	4,900	2
70 A. B.	Blood Wood	Do.	4,872	2
22 A. B.	Yaxnic	British Honduras	4,872	2
6 A. B. C. D.	Riga Oak	Russia	4,862	4
35 A. B.	Undambie	New South Wales (N.)	4,858	2
31 Aa. Ab.	White Cedar	Queensland	4,816	2
9,238 A.		East India	4,816	1
4 A.	Cypress Pine	Queensland	4,816	1
30 Aa. Ab.	Beech	Do.	4,811	2
6,544 A.	Pouktheuma - myek-kyouk.	East India	4,788	1
7 A. B.	Buranna	New South Wales (N.)	4,788	2
7,665 A. B.	Dhane Eha	East India	4,760	2
7,077 A.	Sittola	Do.	4,760	1
62 A. B.	Box	Queensland	4,738	2
10,415 A.	Khabout	East India	4,732	1
6,545 A.	Tounkatseet	Do.	4,704	1
28 A. B.	Mangrove	Queensland	4,685	2
5 A. B.	She Pine	Do.	4,676	2
15 A. B.	Silky Oak	Do.	4,592	2
62 Aa. Ab.	Box	Do.	4,564	2
227 A. B.	Angelin	Trinidad	4,554	2
120 A. B.	Teak Wood	New South Wales (S.)	4,536	2
36 A. B. C. D.	White Gum Tree	Victoria	4,519	4
19 A. B.	Cherry	New South Wales (N.)	4,508	2
76 A. B.	Prickly-leaved Tea Tree	Queensland	4,480	2
10,427 A. B.	Yemaneh	East India	4,452	2
30 A. B.	Beech	Queensland	4,452	2
136 A. B. C. D.	White Maple	New South Wales (S.)	4,433	3
15 Aa. Ab.	Silky Oak	Queensland	4,368	2
186 A. B.	Mango	Trinidad	4,293	2
28 Aa. Ab.	Mangrove	Queensland	4,270	2
118 A. B.	Acacia Sapindoides	Do.	4,270	2
10,438 A. B. C.	Nasha	East India	4,268	3
37 A. B.	Capparis Mitchelli	Queensland	4,256	2
39 Aa. Ab.	Sassafras	Do.	4,214	2
8 Aa. Ab.	Shingle Oak	Do.	4,186	2
4,670 A.	Bher	East India	4,181	1
38 A. B.	Grey Plum	Queensland	4,158	2
31 A. B.	White Cedar	Do.	4,144	1
4,663 A.	Saj	East India	4,144	1
236 A. B. C.	South American Acacia	Jamaica	4,134	3
56 A. B.	Eugenia Marginata	Queensland	4,116	2
75 A. B. C.	Mungkudu	East India	4,069	3
22 A. B. C. D.	Wooridii	New South Wales (N.)	4,069	3
15 A. B. C.	Musk Tree	Victoria	4,032	3
68 A. B.	Pine Brush	New South Wales (N.)	3,976	2
43 A. B.	Tamarind Tree	Queensland	3,920	2
92 A. B.	Anacardiaceae	Do.	3,920	1
102 A. B.	Ebenaceae	Do.	3,892	2
6,549	Titseim	East India	3,845	1
125 A. B. C. D.	Maiden's Blush, Ladies' Blush.	New South Wales (S.)	3,769	4
87 A. B.	Leichhardt's Wood	Queensland	3,752	2
367 A. B.	White Cedar	Jamaica	3,598	2

TABLE V.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiment.
40 A. B. C. D.	Coast Honeysuckle	Victoria	3,574	3
171 A. B. C. D.	White Beech, Beech	New South Wales (S.)	3,540	4
10,429 A.	Momakha	East India	3,547	1
139 A.	White Myrtle, Blue Ash, Ash.	New South Wales (S.)	3,472	1
10 A. B.	Red Cedar	Queensland	3,472	2
102 Aa. Ab.	Ebenaceæ	Do.	3,444	2
10 Aa. Ab.	Red Cedar	Do.	3,430	2
16 Aa. Ab.	Beef Wood	Do.	3,248	2
92 Ba. Bb.	Anacardiaceæ	Do.	3,220	1
99 A. B.	Bean Tree	Do.	3,318	2
16 A. B.	Beef Wood	Do.	3,318	2
13 Aa. Ab.	Coast Tea Tree	Victoria	2,958	2
10,422 A. B.	Thanat	East India	2,856	2
39 Aa. Ab. Ac.	Spurious Mulberry Tree	Victoria	2,576	1
37 Aa.	Capparis Mitchelli	Queensland	2,408	1
24 A. B.	Pinus Picea	Austria	..	..
24 Aa. Ab.	Do.	Do.	..	..
20 A. B. C. D.	Do.	Do.	..	..
21 A. B. C.	Do.	Do.	..	..
22 A. B. C. D.	Do.	Do.	..	..
26 Aa. Ab. Ac. Ad.	Hitchia	British Guiana	..	..
26 A. B. C. D.	Green Heart	Do.	..	..
10 A. B.	Pasak	British Honduras	..	..
1 A.	Halmollili	Ceylon	..	..
4 A.	Satin Wood	Do.	..	..
2 A.	Iron or Beef Wood	Do.	..	..
3 A.	Taminig	Do.	..	..
145 A.	Bou	East India	..	..
7,525 A.	Aum	Do.	..	..
10,465 A. B.	Dedoap Tha	Do.	..	..
10,421 A.	Kyoun-douk	Do.	..	..
10,366 A. B.	Yimma	Do.	..	..
7,070 A.	Bahkoh	Do.	..	..
7,064 A.	Jurai	Do.	..	..
9,240 A.	Brangan	Do.	..	..
7,089 A.	Bintaling	Do.	..	..
9,247 A.	Do.	Do.	..	..
7,522 A.	Arar	Do.	..	..
1,771 A.	Toon	Do.	..	..
2,462 A. B.	Balow	Do.	..	..
1,772 A.	Chump	Do.	..	..
1,219 A.	Toon	Do.	..	..
5 A. B. C. D.	Do.	Hungary	..	..
8 A. B. C. D.	Betula Alba	Do.	..	..
1 A. B. C. D.	Acer Platanoides	Do.	..	..
4 A. B. C. D.	Fraxinus Excelsior	Do.	..	..
15 A. B.	Salix Caprea	Do.	..	..
17 A. B. C. D.	Fagus Sylvatica	Do.	..	..
25 A. B. C. D.	Do.	Do.	..	..
2 A. B. C. D.	Sorbus Terminalis	Do.	..	..
16 A. B.	Salix Viminalis	Do.	..	..
26 A. B.	Do.	Do.	..	..
13 A. B. C. D.	Quercus	Do.	..	..
28 A. B.	Do.	Do.	..	..
27 A. B. C.	Do.	Do.	..	..
3 A. B. C. D.	Do.	Do.	..	..
14 A. B. C. D.	Carpinus Betulus	Do.	..	..
11 A. B.	Pyrus Malus	Do.	..	..
7 A. B. C. D.	Acer pseudo Platanus	Do.	..	..
6 A. B. C. D.	Do.	Do.	..	..
10 A. B. C. D.	Do.	Do.	..	..
9 A. B. C. D.	Quercus Robur	Do.	..	..
312 A. B. C.	Juniper Cedar	Jamaica	..	..
343 A. B. C.	Cassada Wood	Do.	..	..
378 A.	Fig Tree, Wild	Do.	..	..
329 A. B. C.	Galla Pear	Do.	..	..
8 A. B.	Iron Bark	New South Wales, Hunter River	..	..
9 A.	Blue Gum	Do.	..	..
9 A.	Pine	Do.	..	..
7 Aa.	Tea Tree	Do.	..	..
5 A. B.	Iron Bark	Do.	..	..

TABLE V.—*continued.*

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiment.
6 B.	Mahogany	New South Wales, Hunter River.	..	..
3 A.	Grey Gum	Do. Do.	..	..
1 A.	Blue Gum	Do. Do.	..	..
7 A.	Tea Tree	Do. Do.	..	..
15 A. B. C. D.	Moreton Bay Pine	New South Wales (N.)	..	..
112 A. B.	Capparidaceæ	Queensland	..	..
100	-	Do.	..	..
114 A. A. A. B.	Celtis Sp.	Do.	..	..
95 A. B.	-	Do.	..	..
101	-	Do.	..	..
18 A. B.	Aralia Elegans	Do.	..	..
14 A. B.	Flindersia Selwiniana	Do.	..	..
92 A. A. A. B.	Anacardiaceæ	Do.	..	..
1 A. B. C. D.	Riga Fir	Russia	..	..
556 A. B. C.	Blue Gum	Tasmania	..	..
102 A. B. C. D.	Silver Wattle	Do.	..	..
67 A. B. C.	Sassafras	Do.	..	..
167 A. B. C.	Cacapoule	Trinidad	..	..
162 A. B.	Mahoe	Do.	..	..
180 B. C. D.	Crab Tree	Do.	..	..
208 A. B. C. D.	Canto	Do.	..	..
260 A. B.	Almond Tree	Do.	..	..
158 A. B. C. D.	Garlic Pear	Do.	..	..
205 A. B. C. D.	Canturo	Do.	..	..
163 A.	Thespesia Populnea	Do.	..	..
44 A. B. C. D.	Honeysuckle	Victoria	..	..
12 A. B. C. D.	Do.	Do.	..	..
39 A. B. C. D.	Spurious Mulberry Tree	Do.	..	..

TABLE VI.—EXPERIMENTS for ascertaining the CRUSHING WEIGHT in a TRANSVERSE DIRECTION of the FIBRE of the WOODS.

Table of Crushing Strains, across the Fibre, showing the Amount yielded at every 1,120 lbs.

Table of Crushing Strains, across the front, showing the amount of pressure applied.											
No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
AUSTRIA.		—	—	—	—	—	—	—	—	—	No experiments for this country.
20 A.	Do.	—	—	—	—	—	—	—	—	—	
20 B.	Do.	—	—	—	—	—	—	—	—	—	
20 C.	Do.	—	—	—	—	—	—	—	—	—	
20 D.	Do.	—	—	—	—	—	—	—	—	—	
21 A.	Do.	—	—	—	—	—	—	—	—	—	
21 B.	Do.	—	—	—	—	—	—	—	—	—	
21 C.	Do.	—	—	—	—	—	—	—	—	—	
22 A.	Do.	—	—	—	—	—	—	—	—	—	
22 B.	Do.	—	—	—	—	—	—	—	—	—	
22 C.	Do.	—	—	—	—	—	—	—	—	—	
22 D.	Do.	—	—	—	—	—	—	—	—	—	
24 A.	Do.	—	—	—	—	—	—	—	—	—	
24 B.	Do.	—	—	—	—	—	—	—	—	—	
24 Aa.	Do.	—	—	—	—	—	—	—	—	—	
24 Ba.	Do.	—	—	—	—	—	—	—	—	—	
BRITISH GUIANA.		—	—	—	—	—	—	—	—	—	Split half through. Crushed.
4 A.	Wadaduri, or Monkey Nut	•037	•153	•233 s	•	•	•	•	•	4,312	
4 B.	Do.	•050	•168	•259 s	•	•	•	•	•	4,331	
4 C.	Do.	•076	•189	•285 s	•	•	•	•	•	4,452	
4 D.	Do.	•048	•174	•271	•361 s	•	•	•	•	5,040	
5 A.	Kakaralli	•135 s	•	•	•	•	•	•	•	1,904	
5 B.	Do.	—	•	•	•	•	•	•	•	—	
7 A.	Moorballi, or Moorballi	•069	•206	•328 s	•486	•320	•587	•613	•636	10,080	
7 B.	Do.	•037	•137	•237	•321	•366 s	•	•	•	6,356	
7 C.	Do.	•016	•052	•131 s	•367	•	•	•	•	5,413	

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.	
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
BRITISH HONDURAS.												
1 A.	Siricote	-	-	-	-	-	-	-	-	-	10,080	A little under the inch in width.
1 B.	Do.	·022	·103	·220	·295	·348	·409	·435 S	·	·	8,661	
1 C.	Do.	·019	·093	·203	·269	·315	·402 S	·431	·	·	8,400	
2 A.	Cranadilla	·008	·017	·056	·123 S	·	·	·	·	·	5,544	
2 B.	Do.	·008	·013	·031	·082 S	·	·	·	·	·	5,132	
3 A.	Chicheur	·	·	·	·	·	·	·	·	·	·	Split.
3 B.	Do.	·076	·215	·340	·395 S	·469	·669	·686	·697	·706	6,272	} BK. 3. P. 24.
3 C.	Do.	·128	·311 S	·450	·632	·653	·	·	·	·	10,080	
3 D.	Do.	·133	·298	·370	·410 S	·454	·479	·	·	·	7,056	
4 A.	Canasin	·007	·011	·042	·104 S	·	·	·	·	·	5,264	
4 B.	Do.	·008	·016	·073	·158 S	·	·	·	·	·	4,844	
6 A.	Chucxax	·083	·279	·382	·446 S	·479	·	·	·	·	6,272	
6 B.	Do.	·	·	·	·	·	·	·	·	·	3,332	
8 A.	Pimento	·017	·054	·	·	·	·	·	·	·	·	
8 B.	Do.	·159	·434 S	·	·	·	·	·	·	·	2,464	
9 A.	Santa Maria	·402	·501	·552	·579 S	·600	·614	·628	·638	·653	10,080	
9 B.	Do.	·	·	·	·	·	·	·	·	·	·	
10 A.	Pasak	·	·	·	·	·	·	·	·	·	·	
10 B.	Do.	·	·	·	·	·	·	·	·	·	·	
11 A.	Chucya	·022	·327 S	·512	·559	·692	·632	·658	·670	·683	10,080	Crushed.
11 B.	Do.	·	·	·	·	·	·	·	·	·	·	
13 A.	Bullet Wood	·009	·016	·044	·130 S	·	·	·	·	·	4,592	
13 B.	Do.	·011	·020	·058	·104 S	·169	·	·	·	·	5,796	
14 A.	Tastab	·020	·176	·394 S	·460	·	·	·	·	·	5,544	
14 B.	Do.	·080	·254	·343	·388	·421	·448	·484 S	·	·	8,848	
15 A.	Mabinjuh or Mabinjuh	·014	·136 S	·	·	·	·	·	·	·	2,576	
15 B.	Do.	·039	·145	·232	·280 S	·	·	·	·	·	5,376	
16 A.	Subin or Cubin	·036	·127	·211	·262	·322 S	·	·	·	·	6,347	
16 B.	Do.	·022	·097	·184 S	·	·	·	·	·	·	4,256	
17 A.	Sapodilla	·	·	·	·	·	·	·	·	·	·	
17 B.	Do.	·	·	·	·	·	·	·	·	·	·	

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.			
BRITISH HONDURAS.													
18 A.	Kaskat	..	.197	.327 s	4,368	Next to 545. Nearest heart, and least number of veins. Started only a little.	
18 B.	..	..	..	..	..	..	..	..	..	..	6,309
21 A.	Caoutchouc	.008	.011	.016	.027	.064 s	..	..	..	..	6,300
21 B.	Do.	.007	.010	.015	.023	.045 s	..	..	..	..	4,368
21 C.	Do.	.008	.013	.038 s	..	..	..	..	..	..	3,948
21 D.	Do.	.009	.018	.078 s	..	..	..	..	..	..	9,520
22 A.	Yaxnic	.321	.440	.055	.545 s	.572	.590	.609	.624	.587	10,080		
22 B.	Do.	.151	.345	.440	.485	.514	.540	.560	.573	.587	10,080		
23 A.	Yaxnic or Yaxnig-	.327	.456 s	.506	.553	.578	.604	.647	.680	.709	10,080		
23 B.	Do.	..	..	..	..	..	..	..	..	..	9,520
25 A.	Roble Blanco	.116	.272	.364	.424	.487	.516 s	.560	.591	..	9,520		
25 B.	..	..	..	..	..	..	..	..	..	..	..
CEYLON.													
1 A.	Halmhilli	No experiments for this country.	
2 A.	Iron or Beef Wood	..	..	..	..	..	..	..	..	..	..
3 A.	Taminig	..	..	..	..	..	..	..	..	..	..
4 A.	Satin Wood	..	..	..	..	..	..	..	..	..	..
EAST INDIA.													
23 A.	Samak or Sumach, or Divi-dur	.174	.310	.400	.444	.476	.500	.516	.532	.552	10,080	No experiments for this country.	
	Back.	..	..	..	..	..	..	..	..	..	..
23 B.	Do.	.036	.236	.376	.456 s	.488	.524	.576	.600	..	9,520		
30 A.	..	.018	.173 s	..	..	..	..	..	..	..	2,800
30 B.	..	.020	.175 s	..	..	..	..	..	..	..	2,464
30 C.	..	.018	.125 s	..	..	..	..	..	..	..	2,576

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
EAST INDIA.											
72 A.	-	.244	.478 s	.587	.622	.657	.698	.721	.734	.747	10,030
72 B.	-	.320	.532 s	.570	.622	.645	.750	.691	.704	.718	2,912
72 C.	-	.321	.485	.500	.589 s	.616	.750	.691	.704	.718	10,080
73 A.	Mungkidu	.414	.500	.540 s	.589 s	.616	.750	.691	.704	.718	6,048
75 B.	Do.	.429	.509	.580	.592 s	.616	.750	.691	.704	.718	5,115
75 C.	Do.	.392	.472	.514	.558	.589	.750	.691	.704	.718	5,488
80 A.	-	.008	.024	.069	.232	.232	.750	.691	.704	.718	4,741
80 B.	-	.007	.014	.057	.136	.136	.750	.691	.704	.718	5,372
86 A.	Woodupnar	.109	.254 s	.305 s	.305 s	.305 s	.750	.691	.704	.718	2,716
86 B.	-	.121	.305 s	.305 s	.305 s	.305 s	.750	.691	.704	.718	2,576
104 A.	-	.038	.186 s	.414	.414	.414	.750	.691	.704	.718	3,248
104 B.	-	.032	.136	.414	.414	.414	.750	.691	.704	.718	3,880
104 C.	-	.009	.022	.154 s	.300	.430	.750	.691	.704	.718	6,048
140 B.	Sandal Wood	.009	.022	.154 s	.300	.430	.750	.691	.704	.718	3,696
144 A.	Bengha	.025	.179	.337 s	.337 s	.337 s	.750	.691	.704	.718	2,800
144 B.	-	.008	.015 s	.015 s	.015 s	.015 s	.750	.691	.704	.718	3,696
145 A.	Bon	.008	.015 s	.015 s	.015 s	.015 s	.750	.691	.704	.718	3,920
147 A.	Terwah	.008	.025	.142 s	.142 s	.142 s	.750	.691	.704	.718	4,592
147 B.	-	.008	.025	.142 s	.142 s	.142 s	.750	.691	.704	.718	3,696
185 A.	Black Wood	.017	.242 s	.484	.484	.484	.750	.691	.704	.718	3,920
185 B.	-	.014	.120 s	.273	.273	.273	.750	.691	.704	.718	4,592
1,214 A.	Doodhee	.014	.120 s	.273	.273	.273	.750	.691	.704	.718	5,544
1,214 B.	-	.014	.120 s	.273	.273	.273	.750	.691	.704	.718	5,152
1,215 A.	Karee	.014	.120 s	.273	.273	.273	.750	.691	.704	.718	5,544
1,215 B.	-	.014	.120 s	.273	.273	.273	.750	.691	.704	.718	5,152
1,219 A.	Toon	.013	.090	.059	.102 s	.102 s	.750	.691	.704	.718	5,544
1,219 B.	-	.013	.090	.059	.102 s	.102 s	.750	.691	.704	.718	5,152
1,220 A.	Unjun	.010	.035	.086	.156 s	.156 s	.750	.691	.704	.718	5,544
1,220 B.	-	.010	.035	.086	.156 s	.156 s	.750	.691	.704	.718	5,152
1,771 A.	Toon	.010	.035	.086	.156 s	.156 s	.750	.691	.704	.718	5,544
1,771 B.	-	.010	.035	.086	.156 s	.156 s	.750	.691	.704	.718	5,152

No experiment.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.	
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.				
EAST INDIA.														
4,666 A.	Ghattoo	·011	·062	·222 s	·	·	·	·	·	·	·	·	3,864	Crushed.
4,666 B.	Trosum	·014	·167	·320 s	·441	·538	·592	·639	·685	·	·	·	10,080	
4,667 A.	Dhowrah	·006	·024	·164 s	·	·	·	·	·	·	·	·	3,556	
4,668 B.	Bher	·112	·367 s	·486	·616	·694	·713	·732	·744	·	·	·	10,080	
4,670 A.	Banbul	·009	·019	·103 s	·360	·485	·568	·600	·612	·	·	·	10,080	
4,671 A.	Khunee	·391	·504	·564	·595	·618 s	·	·	·	·	·	·	6,384	
4,672 A.	Ironwood	·008	·015	·061 s	·	·	·	·	·	·	·	·	3,556	
4,754 B.	Do.	·007	·011	·028 s	·	·	·	·	·	·	·	·	3,965	
5,397 A.	Gurunga	·155	·356 s	·	·	·	·	·	·	·	·	·	2,828	
5,397 B.	Sal	·018	·	·	·	·	·	·	·	·	·	·	1,932	
5,598 A.	Teak Sajoon	·203	·340 s	·	·	·	·	·	·	·	·	·	2,725	
5,599 A.	Sissoo Black	·014	·056 s	·218	·	·	·	·	·	·	·	·	3,556	
5,600 B.	Burdur	·008	·038	·248	·331	·368 s	·	·	·	·	·	·	6,664	
5,601 A.	Abloss or Kando	·019	·040	·071	·117	·158	·193	·234	·246 s	·	·	·	9,968	
5,602 A.	Assan	·008	·038	·104	·176	·240 s	·357	·	·	·	·	·	7,252	
5,603 A.	Gumbarce	·146	·334	·478 s	·	·	·	·	·	·	·	·	4,480	
5,603 B.	Jack Punsee	·010	·056	·187 s	·344	·425	·478	·519	·543	·	·	·	10,080	Started only a little.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.	
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
EAST INDIA.												
5,606 A.	Red Sissoo	·012	·040	·139	·242 s	·	·	·	·	·	5,432	
5,606 B.		·008	·012 s	·	·	·	·	·	·	·	5,175	
5,607 A.	Peasal	·013	·298 s	·	·	·	·	·	·	·	2,352	
5,608 A.	Koozoom	·008	·016	·055	·133 s	·	·	·	·	·	5,264	
5,608 B.	Keelar	·008	·020	·213 s	·	·	·	·	·	·	3,892	
5,609 A.		·199 s	·405	·487	·609	·646	·670	·684	·698	·708	10,080	Severe fracture.
5,610 A.	Kokoh	·262	·438	·572	·	·	·	·	·	·	10,080	
5,642 B.	Poukheuma-ny-ek-Kysuk	·120	·309 s	·451	·530	·602	·636	·658	·672	·684	10,080	
5,644 A.	Toukatseet	·092	·294	·407	·471	·518 s	·545	·571	·586	·600	10,080	
5,645 A.	Khyong-yook	·144 s	·	·	·	·	·	·	·	·	1,820	
5,647 A.	Nabhai	·400	·558 s	·623	·671	·	·	·	·	·	5,208	
5,648 A.		·021 s	·	·	·	·	·	·	·	·	2,128	
5,648 B.	Titsein	·247 s	·	·	·	·	·	·	·	·	1,988	
5,649 A.	Pagah	·009	·021	·154 s	·	·	·	·	·	·	6,304	
5,650 B.	Lein	·087	·287	·453 s	·520	·	·	·	·	·	·	
5,651 A.		·	·	·	·	·	·	·	·	·	·	
7,064 A.	Jurai	·	·	·	·	·	·	·	·	·	·	
7,064 B.		·	·	·	·	·	·	·	·	·	·	
7,065 A.	Gaham Bada	·	·	·	·	·	·	·	·	·	·	
7,065 B.		·	·	·	·	·	·	·	·	·	·	
7,066 A.	Rungas	·	·	·	·	·	·	·	·	·	·	
7,066 B.		·	·	·	·	·	·	·	·	·	·	

Only went at sides a little.

Severe fracture.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.	
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.				
EAST INDIA.														
7,067 A.	Bia-babi	•010	..	..	..	..	..	..	..	..	..	..	2,203	
7,067 B.	Bahkoh													
7,070 A.	Murbow	•026	•164 s	..	..	..	..	..	..	..	..	..	2,352	
7,071 A.	Klat	..	..	..	..	..	..	..	..	..	..	..	928	
7,072 A.	Jennalang	•003	•248	•445 s	..	..	..	..	..	..	..	..	3,920	
7,075 A.	Sittola	•414	•538	•588	•618	•634	•637 s	..	..	..	..	..	7,765	
7,077 A.	Dammer-laut	•098 s	..	..	..	..	..	..	..	..	..	..	1,680	
7,086 A.	Bintaling	•009	•038	..	..	..	..	..	..	..	..	..	2,576	
7,089 A.	Kumpas	•313	•417	•400	•519	•564 s	•624	•648	..	..	•689	..	10,080	
7,090 A.	Madang Serai													
7,092 A.	Gading-gading	•012	•047	•201	•359 s	..	..	..	..	..	..	..	5,208	
7,093 A.		•014	•114	•359 s	•424	•479 s	•534	•548	..	..	..	..	3,808	
7,234 A.		•088	•239	•353	•589	•634	•663	•696	..	..	•721	..	8,316	
7,234 B.		•176	•336	•476	•689	•634	•663	•696	..	..	•721	..	16,080	Severe fracture.
7,515 A.		•207	•406	•527	•572	•639	•678	•701	..	..	•728	..	10,080	Severe fracture.
7,517 A.	Toon	•021	•234 s	..	..	..	..	..	..	..	..	..	2,240	
7,517 B.	Sakho	•019 s	..	..	..	..	..	..	..	..	..	..	2,016	
7,514 A.	Do.	•010	•018	•042 s	..	..	..	..	..	..	..	..	4,308	
7,520 A.														
7,520 B.														

Severe fracture.

Severe fracture.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 9,800.			lbs. 10,080.
EAST INDIA.											
7,522 A.	Arar	-	-	-	-	-	-	-	-	-	-
7,522 B.	-	-	-	-	-	-	-	-	-	-	-
7,524 A.	Kaitha	•091	•283	•406 S	•	•	•	•	•	•	4,368
7,524 B.	-	-	-	-	-	-	-	-	-	-	-
7,527 A.	Neem	•081	•145	•207 S	•	•	•	•	•	•	3,612
7,527 B.	-	-	-	-	-	-	-	-	-	-	-
7,525 A.	Aum	-	-	-	-	-	-	-	-	-	-
7,525 B.	-	-	-	-	-	-	-	-	-	-	-
7,529 A.	Asna or Asan	•146	•301	•437 S	•	•	•	•	•	•	2,651
7,529 B.	-	-	-	-	-	-	-	-	-	-	-
7,531 A.	-	•028	•072 S	•	•	•	•	•	•	•	1,008
7,531 B.	-	-	-	-	-	-	-	-	-	-	-
7,618 A.	Thin Gan	•306 S	•	•	•	•	•	•	•	•	1,755
7,618 B.	Do.	•131	•344	•436	•480	•506	•529	•553 S	•575	•	9,520
7,619 A.	Ah Nan	•089	•326	•434 S	•488	•514	•536	•569	•	•	7,868
7,619 B.	Do.	•012	•	•	•	•	•	•	•	•	2,156
7,622 A.	Oak An	•012	•185 S	•590	•620	•648	•672	•683	•694	•706	Crushed.
7,622 B.	Do.	•012	•217 S	•	•	•	•	•	•	•	2,772
7,622 C.	Do.	•011	•071	•302 S	•	•	•	•	•	•	3,948
7,622 D.	Do.	•072	•014	•064	•369 S	•	•	•	•	•	5,068
7,629 A.	Boom Mai Za	•008	•014	•064	•465	•557	•579	•609	•621	•630	4,060
7,629 B.	Do.	•013	•185	•437 S	•495	•557	•597	•628	•646	•673	10,080
7,665 A.	Dhane Eha	•017	•392 S	•524	•597	•628	•646	•660	•673	•685	Crushed.
7,665 B.	Do.	•031	•256	•481 S	•594	•640	•686	•700	•716	•727	10,080
7,674 A.	Tonk Tsa	-	-	-	-	-	-	-	-	-	-
7,674 B.	Do.	-	-	-	-	-	-	-	-	-	-
7,677 A.	Tseek Tha	•052	•163	•293	•405 S	•484	•516	•535 S	•	•	5,563
7,677 B.	Do.	•119	•279	•393	•442	•506	•612	•657	•685	•	8,372
9,258 A.	-	•116	•277	•445	•519	•	•	•	•	•	10,080
9,259 A.	Bayang Bada	-	-	-	-	-	-	-	-	-	1,008
9,259 B.	-	-	-	-	-	-	-	-	-	-	-
9,260 A.	Brangan	-	-	-	-	-	-	-	-	-	-

Went very suddenly.

Crushed.

Crushed.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
EAST INDIA.											
9,240 B.											
9,247 A.											
9,247 B.											
10,221 A.	Philbeet	.076	.209 s	.431	.546	.625	.640	.660	.671	.680	Crushed.
10,221 B.											
10,225 A.	Saul	.100	.244	.393 s							
10,225 B.											
10,226 A.	Siissoo	.082	.223 s	.483	.582	.610	.653	.672	.688	.698	Crushed.
10,226 B.											
10,348 A.	Petwoon	.021	.079	.214 s							
10,348 B.	Do.	.019	.060	.178 s							
10,349 A.	Dwa Nee	.112									
10,349 B.	Do.	.078									
10,352 A.	Eng	.015	.052 s								
10,352 B.	Do.	.012	.050	.310 s	.418	.513	.542	.574	.586	.604	Not thoroughly dry.
10,354 A.	Thugan	.437 s	.551	.596	.624	.647	.676	.682	.690	.700	
10,354 B.	Do.	.321 s	.593	.634	.663	.683	.694	.710	.718	.726	Crushed.
10,355 A.	Thurgadoo	.102									
10,355 B.	Do.	.101									Crushed.
10,356 A.	Engyin	.203									
10,356 B.	Do.	.060	.212 s								Crushed.
10,357 A.	Theya	.012 s									
10,357 B.											Crushed.
10,358 A.	Gangan	.009	.015	.066 s							
10,358 B.	Do.	.008	.013	.024 s	.130						Crushed.
10,359 A.	Toung-tha-lay	.088	.280	.427 s							
10,359 B.	Do.										Crushed.
10,361 A.	Pouyret										
10,361 B.	Do.	.554 s	.616	.662	.683	.700	.714	.724	.732	.739	Crushed.
10,362 A.	Gyo.	.137 s									
10,362 B.	Do.	.021	.236 s								Crushed.
10,364 A.	Pinlay-oong	.045	.221	.372	.490 s	.502	.530	.548	.564	.587	

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.			
EAST INDIA.													
10,434 B.	-	•378	•448	•505	•549	•575 s	•602	•729	•737	•746	7,700	Split.	
10,435 A.	Zimboon	•563 s	•639	•671	•690	•704	•716				10,080		
10,435 B.	Do.	•478	•539	•568	•589	•606 s					5,544		
10,438 A.	Nasha	•441	•534	•538 s	•618	•639					5,936		
10,438 B.	Do.	•393	•550 s								3,099		
10,438 C.	Do.	•010	•030	•239 s							3,472		
10,440 A.	Baman												
10,440 B.	-												
10,465 A.	Dedcap Tha												
10,465 B.	Do.												
10,475 A.	Mance Auka	•009	•031	•182 s							3,864		
10,475 B.	Do.	•010 s	•028	•421	•514 s	•592					1,717		
10,476 A.	Ngoo Tha	•302	•389 s	•477	•542	•579	•640	•673	•680	•695	6,197		
10,476 B.	Do.	•247	•383 s	•504	•567	•608	•636	•663	•679	•678	10,080		
10,476 C.	Do.	•015	•029	•138 s							10,080		
10,477 A.	Kay Yoob										3,845		
10,477 B.	Do.												
10,477 C.	Do.	•029	•089	•173	•253 s	•296					6,384		
10,478 A.	Nat Gyee	•012	•026	•070	•117	•166	•210 s				7,063		
10,478 B.	Do.	•019	•048	•091	•164 s						5,525		
10,478 C.	Do.	•010	•018	•032 s							4,452		
10,491 A.	Zangyecoat-doup	•048	•226 s								2,856		
10,491 B.	Do.	•043	•230 s	•456							3,752		
10,482 A.	Pune Tha	•014	•086	•275 s	•487						5,189		
10,482 B.	Do.	•019	•125	•254	•330	•373	•425 s						
10,485 A.	Padouk	•009	•019 s										
10,485 B.	Do.	•009	•026	•151 s							3,136		
10,485 C.	Do.	•017	•101 s								3,920		
10,489 A.	Kya Ya	•012	•049 s								2,716		
10,489 B.	Do.	•012	•091	•416 s							3,136		
2,462 A.	Balaw										3,584		
2,462 B.	Do.												

Split.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
HUNGARY.											
1 A.	-	No experiments for this country.
1 B.	-	..	..	..	..	..	..	..	..	..
1 C.	-	..	..	..	..	..	..	..	..	..
1 D.	-	..	..	..	..	..	..	..	..	..
2 A.	-	..	..	..	..	..	..	..	..	..
2 B.	-	..	..	..	..	..	..	..	..	..
2 C.	-	..	..	..	..	..	..	..	..	..
2 D.	-	..	..	..	..	..	..	..	..	..
3 A. B. C. D.	-	..	..	..	..	..	..	..	..	..
4 A. B. C. D.	-	..	..	..	..	..	..	..	..	..
5 A. B. C. D.	-	..	..	..	..	..	..	..	..	..
6 A. B. C. D.	-	..	..	..	..	..	..	..	..	..
7 A. B. C. D.	-	..	..	..	..	..	..	..	..	..
8 A. B. C. D.	-	..	..	..	..	..	..	..	..	..
9 A. B. C. D.	-	..	..	..	..	..	..	..	..	..
10 A. B. C. D.	-	..	..	..	..	..	..	..	..	..
11 A. B.	-	..	..	..	..	..	..	..	..	..
13 A. B. C. D.	-	..	..	..	..	..	..	..	..	..
14 A. B. C. D.	-	..	..	..	..	..	..	..	..	..
15 A. B.	-	..	..	..	..	..	..	..	..	..
16 A. B.	-	..	..	..	..	..	..	..	..	..
17 A. B. C.	-	..	..	..	..	..	..	..	..	..
17 A.	-	..	..	..	..	..	..	..	..	..
25 A. B. C. D.	-	..	..	..	..	..	..	..	..	..
26 A. B.	-	..	..	..	..	..	..	..	..	..
27 A. B. C.	-	..	..	..	..	..	..	..	..	..
A B.	-	..	..	..	..	..	..	..	..	..
JAMAICA.											
160 A.	White Lance Wood	*008	*016	*070 s	4,032
160 B.	Do.	*006	*012	*032	*157 s	5,301
164 A.	Blood or Iron Wood	*060	*216	*323 s	4,032

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		Ibs. 1,120.	Ibs. 2,240.	Ibs. 3,360.	Ibs. 4,480.	Ibs. 5,600.	Ibs. 6,720.	Ibs. 7,840.	Ibs. 8,960.			Ibs. 10,080.
JAMAICA.											
164 B.	Blood or Iron Wood	.018	.242 s	.359	.430 s	..	..	..	..	..	2,753
164 C.	Do.	.078	.246	.358	.628 s	.657	.677	.688	.702	.710	5,460
164 D.	Do.	.114	.400 s	.528	.628	.657	.677	.688	.702	.710	10,080
169 A.	Red Wood	.024	.276 s	.538	.586	.620	.639	.659	.675	.682	10,080
169 B.	Do.	.012	.156 s	.481	.573	.695	.623	.646	.656	.668	10,080
169 C.	Do.	.015	.178 s	..	..	..	..	..	..	..	2,912
169 D.	Do.	.084 s	..	..	..	..	..	..	..	..	1,736
189 A.	Jack Fruit	.035	.275 s	.500	.582	.615	.644	.666	.679	.695	10,080
189 B.	Do.	.110	.346	.434	.484 s	.626	.547	.587	.614	.625	10,080
189 C.	Do.	.236	.405	.592	.554	.575	.575	.600	.608	.620	10,080
189 D.	Do.	.052	.282 s	.460	.557	.588	.614	.646	.665	.678	10,080
201 A.	Red Candle Wood	.010	.025 s	.142	..	..	..	..	..	..	3,808
201 B.	Do.	.009	.017	.107 s	..	..	..	..	..	..	3,771
201 C.	Do.	.013	.052 s	..	..	..	..	..	..	..	3,360
208 A.	Do.	..	..	..	..	..	..	..	..	..	..
208 B.	Do.	..	..	..	..	..	..	..	..	..	..
208 C.	Do.	..	..	..	..	..	..	..	..	..	..
208 D.	Do.	..	..	..	..	..	..	..	..	..	..
210 A.	Do.	.010	.035	.158 s	..	..	..	..	..	..	3,808
210 B.	Do.	.016	.050	.146	.217	..	..	..	..	..	5,572
210 C.	Do.	.016	.049	.198 s	..	..	..	..	..	..	3,808
212 A.	Jamaica Ebony, var. Black Heart	.006	.009	.016	.030	.050	..	..	..	..	10,080
212 B.	do.	.007	.012	.021	.047 s	.118	.084	.116 s	.148	.232	..
216 A.	Do.	.008	.027	.068	.173	.234	..	..	..	..	6,384
216 B.	Do.	.008	.019	.085	.163	.235 s	.303 s	..	..	..	7,280
216 C.	Do.	.009	.014	.019	.041	.073	.312	..	..	..	7,355
216 D.	Do.	.006	.010	.028	.077	.121	.098	.139	.175 s	..	9,908
218 A.	Do.	.020	.161	.288 s	.438	..	.160	.204	.239 s	..	9,184
218 B.	Do.	.044	.225 s	..	..	..	..	..	..	..	5,432
223 A.	Brazilletto	.007	.016	.068	.106 s	..	..	..	..	..	4,293
223 B.	Do.	.008	.013	.034	..	..	..	..	..	..	..
223 C.	Do.	.012	.022	.060	.145	..	..	..	..	..	4,396
											5,068

Tough wood.

No experiments.

Tough wood.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of									Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.		
JAMAICA.												
225 D.	Brazilletto	.008	.014	.062 S	4,396	} No experiments.
228 A.	Yellow Candle Wood	.008	.014	.142 S	..	..	..	..	..	..	3,808
228 B.	Do.	.010	.020	.169	..	..	..	..	..	..	4,107
236 A.	South American Acacia	.253	.355	.401	.456 S	..	..	..	..	..	5,320
236 B.	Do.	.264	.347	.402	.444	..	..	..	..	..	5,432
236 C.	Do.	.334	.420	.461	.508	.532	.557	.582 S	.619	.650	10,080	
252 A.	White Mangrove	.043	.198	.316	.388 S	..	..	..	..	..	5,096
252 B.	Do.	.037	.155	.288	.354 S	..	..	..	..	..	5,413
252 C.	Do.	.047	.175	.294	.366 S	..	..	..	..	..	5,516
267 A.	White Bully Tree	.010	.039	..	..	..	..	..	..	..	2,688
267 B.	Do.	.014	.124 S	..	..	..	..	..	..	..	2,800
267 C.	Do.	.015	.128 S	..	..	..	..	..	..	..	2,688
267 D.	Do.	.012	.060 S	..	..	..	..	..	..	..	2,688
284 A.	Tecoma stans.	.107	.358 S	.501	.539	.562	.600	..	..	..	6,720
284 B.	Do.	.188	.362	.453	.488	.540 S	.554	..	..	..	7,803
297 A.	Red Heart	.007	.010	.017 S	..	..	..	..	..	..	4,424
297 B.	Do.	.007	.010	.020 S	..	..	..	..	..	..	4,312
297 C.	Do.	.008	.012	.023 S	..	..	..	..	..	..	4,256
297 D.	Do.	.007	.012	.038	..	..	..	..	..	..	4,256
312 A.	Juniper Cedar	..	..	..	..	..	..	..	..	..	..
312 B.	Do.	..	..	..	..	..	..	..	..	..	..
312 C.	Do.	..	..	..	..	..	..	..	..	..	..
319 Aa.	Section of Cocoa Nut	.006	.009	.014	.022	.038	.059	.081	.124 S	..	9,856	
319 Ab.	Do.	.004	.007	.011	.016	.023	.033	.054 S	..	..	8,736
319 Ba.	Do.	.010	.040	.133 S	..	..	..	..	..	..	4,228
319 Bb.	Do.	.019	.120	.254	.302 S	..	..	..	..	..	5,488
319 Bc.	Do.	.012	.063	.224 S	..	..	..	..	..	..	4,060
319 Bc.	Do.	.006	.020	.163	.235 S	..	..	..	..	..	5,152
319 Ba.	Do.	.011	.025	.088	.166	.221 S	.256	.285	..	..	8,764
319 Ca.	Do.	.011	.024	.075	.147	.196	.234	.255	.284	.303	10,080	
319 Cb.	Do.	.012	.019	.014	.023	.046	.065 S	.081 S	..	..	7,168
319 Ea.	Do.	.007	.010	.014	.023	.046	.065 S	.081 S	..	..	8,344
319 Eb.	Do.	.003	.006	.009	.014	.024	.046	.081 S	..	..	..

} No experiments.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.	
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
JAMAICA.												
320 A.	Yoke Wood	•277	•392	•483	•541 S	•649	•694	•708	•722	•734	10,080	Severe fracture.
320 B.	Do.	•278	•402	•492 S	•542	•600	•755	•769	•777	•786	6,496	
324 A.	Santa Maria	•523 S	•604	•638	•667	•744	•755	•768	•777	•782	10,080	Severe fracture.
324 B.	Do.	•596 S	•602	•706	•729	•744	•755	•768	•776	•782	10,080	
326 A.	Red Wood	•142	•286	•365	•446 S	•	•	•	•	•	5,152	Severe fracture.
326 B.	Do.	•078	•303	•460	•	•	•	•	•	•	3,892	
328 A.	Black Bullet Tree	•015	•074	•	•	•	•	•	•	•	2,576	Severe fracture.
328 B.	Do.	•021	•130 S	•	•	•	•	•	•	•	2,436	
329 A.	Galla Pear	•	•	•	•	•	•	•	•	•	•	Severe fracture.
329 B.	Do.	•	•	•	•	•	•	•	•	•	•	
329 C.	Do.	•	•	•	•	•	•	•	•	•	•	Do.
332 A.	Hog Berry	•167 S	•	•	•	•	•	•	•	•	•	
332 B.	Do.	•403 S	•479	•	•	•	•	•	•	•	1,680	Severe fracture.
332 C.	Do.	•132 S	•537	•609	•639	•668	•685	•701	•712	•724	4,116	
332 D.	Do.	•229	•505 S	•666	•695	•712	•725	•736	•746	•754	10,080	Severe fracture.
338 A.	Spanish Elm	•016	•156	•381 S	•404	•	•	•	•	•	4,900	
338 B.	Do.	•176	•382	•478 S	•588	•639	•650	•676	•694	•704	10,080	Severe fracture.
338 C.	Do.	•012	•169	•327 S	•530	•576	•598	•618	•640	•653	10,080	
339 A.	Naseberry Bullet Tree	•008	•014	•034 S	•	•	•	•	•	•	4,452	Do.
339 B.	Do.	•009	•018	•049	•140 S	•	•	•	•	•	4,300	
339 C.	Do.	•008	•013	•030	•109	•	•	•	•	•	4,900	Do.
339 D.	Do.	•012	•020	•070 S	•	•	•	•	•	•	5,012	
341 A.	Iron Wood	•008	•013	•020	•033	•049	•069	•089 S	•	•	4,443	Do.
343 A.	Canada Wood	•	•	•	•	•	•	•	•	•	8,964	
343 B.	Do.	•	•	•	•	•	•	•	•	•	•	Do.
343 C.	Do.	•	•	•	•	•	•	•	•	•	•	
345 A.	Wild Orange	•008	•012	•027	•069	•120	•	•	•	•	6,008	Do.
345 B.	Do.	•008	•014	•032	•072	•117 S	•	•	•	•	6,468	
350 A.	Green Heart	•010	•030	•108 S	•	•	•	•	•	•	4,256	Do.
350 B.	Do.	•010	•021	•055	•116 S	•	•	•	•	•	5,488	
351 A.	Musk Wood	•024	•204	•324	•413 S	•448	•	•	•	•	6,496	Do.
354 A.	Sweet Wood	•102	•260	•338	•396 S	•	•	•	•	•	5,301	

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
LIBERIA.											
7 C.	Whismore	.283	.412	.478	.512	.534	.553 s	.570	..	8,512	Severe fracture.
10 A.	Cedar	.016 s	..	..	..	..	..	..	..	2,184
10 B.	Do.	.020	.086 s	..	..	..	..	..	..	2,464
10 C.	Do.	.013	.055 s	..	..	..	..	..	..	2,688
11 A.	Black Gum	.016	.106	.219 s	..	..	..	..	..	3,556
11 B.	Do.	.018 s	..	..	..	..	..	..	..	2,044
11 C.	Do.	.032	.170 s	..	..	..	..	..	..	2,763
15 A.	Burr Wood	.178	.634 s	.668	.692	.709	.720	.730	.741	10,080	
15 B.	Do.	.181 s	..	..	..	..	..	..	..	1,344
15 C.	Do.	.030 s	..	..	..	..	..	..	..	2,091
15 D.	Do.	.020	.510 s	.573	.613	.637	.652	.666	.684	10,080	Severe fracture.
16 A.	Cherry Wood	.352	.461	.594	.534	.555 s	..	..	..	4,959
16 B.	Do.	.199	.380	.428 s	..	..	..	..	..	4,060
17 A.	Brimstone	.064	.336 s	..	..	..	..	..	..	2,324
17 B.	Do.	.021 s	..	..	..	..	..	..	..	2,053
18 A.	Box Wood	.012	.023	.090	.191 s	..	..	..	..	5,325
18 B.	Do.	.011	.022	.090	.185 s	..	..	..	..	5,012
19 B.	Cedar	.150	.351	.530 s	..	..	..	..	..	3,360
19 C.	Do.	.250	.414	..	..	..	..	..	..	2,713
20 Aa.	Mahogany	.263	.497	.619	.653	.681	.701	.714	.730	10,080	
20 Ab.	Do.	.398	.508	.559	.594	.661	.630	.644	.657	10,080	
20 Ac.	Do.	.212	.364	.568	.628	.658	.686	.692	.708	10,080	
20 Ad.	Do.	..	..	..	..	..	..	..	..	1,064
20 A.	Ironwood	.006	.159	.279 s	.379	..	..	..	..	4,928
20 B.	Do.	.013	.128 s	..	..	..	..	..	..	2,427
20 C.	Do.	.008	.013 s	..	..	..	..	..	..	3,108
21 A.	Black Oak	.234	.339	..	..	..	..	..	..	3,276
21 B.	Do.	.138	.250 s	..	..	..	..	..	..	3,192
21 C.	Do.	.224	.342 s	..	..	..	..	..	..	2,604
21 D.	Do.	.218	.350 s	..	..	..	..	..	..	10,080
22 A.	Mahogany	.281	.425	.510 s	.543	.568	.583	.654	.703	10,080	
22 B.	Do.	.315	.435	.505	.547 s	.572	.605	.634	.702	10,080	

TABLE VI.—continued.

No. of Specimen.		Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.
			lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.			
LIBERIA.														
22 C.	Mahogany	-	·284	·474 s	·552	·628	·678	·703	·720	·731	·743	10,080	Severe fracture.	
23 D.	Do.	-	·039 s	·453 s	·573	·615	·636	·651	·662	·674	·686	2,212		
28 A.	Do.	-	·046									10,080	Severe fracture.	
53 B.	Do.	-												
NEW SOUTH WALES, N.														
1 A.	Bogum-bogum	-	·099	·286	·	·	·	·	·	·	·	2,744		
1 B.	Do.	-	—	—	—	—	—	—	—	—	—	—		
2 A.	Georote	-	—	—	—	—	—	—	—	—	—	—		
2 B.	Do.	-	·043	·224	·325	·	·	·	·	·	·	3,640		
3 A.	Goorie	-	·041	·195	·297	·	·	·	·	·	·	4,032		
3 B.	Do.	-	·036	·204	·	·	·	·	·	·	·	2,725		
3 C.	Do.	-	·251	·	·	·	·	·	·	·	·	1,400		
4 A.	Gulgi	-	·172	·447	·	·	·	·	·	·	·	2,688		
4 B.	Do.	-	·022	·114	·206	·280	·	·	·	·	·	4,779		
5 A.	Bastard or White Box	-	·019	·112	·216	·284	·	·	·	·	·	4,144		
5 B.	Do.	-	·017	·094	·196	·	·	·	·	·	·	5,189		
5 C.	Do.	-	—	—	—	—	—	—	—	—	—	—		
5 D.	Do.	-	·021	·167	·348	·561	·602	·622	·640	·654	·670	3,920		
6 A.	Red Box	-	·090	·296	·431	·	·	·	·	·	·	10,080		
6 B.	Do.	-	·016	·163	·	·	·	·	·	·	·	2,744		
6 C.	Do.	-	·014	·106	·274 s	·	·	·	·	·	·	3,733		
6 D.	Do.	-	·068	·208	·280 s	·368	·549	·574	·596	·614	·640	10,080		
7 A.	Buranna	-	·148	·402 s	·494	·559	·594	·614	·635	·645	·658	10,080		
7 B.	Do.	-	—	—	—	—	—	—	—	—	—	—		
8 A.	Coorong Cypress Pine	-	—	—	—	—	—	—	—	—	—	—		
8 B.	Do.	-	—	—	—	—	—	—	—	—	—	—		
9 A.	Do.	-	—	—	—	—	—	—	—	—	—	—		
9 B.	Do.	-	—	—	—	—	—	—	—	—	—	—		
10 A.	Box of Illawarra	-	·178	·369 s	·454	·	·	·	·	·	·	4,405		

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.			
NEW SOUTH WALES, N.													
53 A.	Carissa ovata	.013	.102 S	.232 S	.596	.623	.655	.663	.680	.698	3,304		
53 B.	Do.	.022	.153	.216	.278	.314	.338	.363 S	..	..	10,080	
54 A.	Schmidia pyriformis	.023	.124	.210 S	..	..	..	..	..	..	7,877	
54 B.	Do.	.010	.050	.201 S	..	..	..	..	..	..	4,480	
60 A.	Hickory Lignum Vitae	.008	.034	.214 S	..	..	..	..	..	..	4,004	
60 B.	Do.	.074	.034	.376	.433 S	.486	..	..	..	..	6,692	
61 A.	Flindosa	.041	.251	.469 S	..	..	..	..	..	..	3,584	
61 B.	Do.	.133	.328	.400	.443	.468	.492	.510 S	..	..	8,736	
61 C.	Do.	.119	.330	.431 S	.487	..	..	..	..	..	5,572	
61 D.	Do.	.008	.019	.077	.172 S	..	..	..	..	..	4,741	
63 A.	Flintamendosa	.018	.122 S	..	..	..	..	..	..	..	3,924	
63 B.	Do.	.008	.025 S	..	..	..	..	..	..	..	3,248	
64 A.	Tea Tree	.008	.046 S	..	..	..	..	..	..	..	1,680	
64 B.	Do.	.05	..	..	..	..	..	..	..	..	2,996	
66 A.	Bastard Myall	.032	.249 S	.096 S	..	..	..	..	..	..	4,443	
66 B.	Do.	.007	.015	.125	.244	.378 S	.435	..	..	..	6,720	
67 A.	Do.	.009	.020	.527	.590	.638 S	..	..	..	..	4,676	
67 B.	Pine Brush	.384	.530	.597 S	..	..	..	..	..	..	3,948	
68 A.	Do.	.402	.530	.597 S	..	..	..	..	..	..	10,080	
68 B.	Do.	.022	.210 S	.428	.516	.571	.594	.629	.650	.670	..		
69 A.	Found at Clarence and Richmond Brush Forest.	..	..	..	..	..	..	..	..	..	3,360	
69 B.	Do.	.010	.148	.409 S	..	..	..	..	..	..	3,976	
71 A.	Swamp Oak	.008	.024	..	..	..	..	..	..	..	5,264	
71 B.	Do.	.013	.047	.178 S	.269	..	..	..	..	..	5,301	
74 A.	White Myrtle	.010	.048	.256	..	..	..	..	..	..	6,244	
74 B.	Do.	.031	.114	.194	.252	..	..	..	..	..	4,928	
74 C.	Do.	.010	.031	.114	.194	.252	..	..	..	..	5,077	
77 A.	Iron Bark of the Clarence	.008	.015	.043	.113 S	..	..	..	..	..	6,104	
77 B.	Do.	.010	.018	.083	.093 S	..	..	..	..	..	5,376	
84 A.	Marble Wood	.011	.098	.306	.388 S	..	..	..	..	..	6,496	
84 B.	Do.	.015	.124	.290 S	.398	..	..	..	..	..	..
88 A.	Found in the Brush Forests on the Clarence.	.016	.086	.196	.263	.315 S	..	..	..	..	..

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
NEW SOUTH WALES, N.											
88 B.	Found in the Brush Forests on the Clarence.	.016	.086	.198	.259	.314	.344 s	..	..	6,944	
89 A.	Do.	.011	.066	.210 s	.312 s	..	..	..	..	4,368	
89 B.	Do.	.015	.090	.212	.312	..	..	..	..	5,292	
93 A.	Celtis Opaca	.216	.383	.479 s	.532	.596	.627	.658	.683	10,080	
93 B.	Do.	.134	.332	.449 s	.500	.543	.577	.620	.685	10,080	
102 A.	Flooded Gum	.090 s	.391	.544	.592	.619	.634	.653	.664	674	
102 B.	Do.	.082	.246 s	.502	.564	.586	.607	.625	.638	10,080	
102 C.	Do.	.170	.295 s	.479	.575	.599	.618	.639	.655	3,920	
102 D.	Do.	.060	.020 s	.470	.575	.599	.618	.639	.655	10,080	
103 A.	Grey Gum	.008	.042 s	..	..	..	..	..	..	3,652	
103 B.	Do.	.007	.022	..	..	..	..	..	..	3,164	
104 A.	Bitter Bark	.170	.325	.460 s	..	..	..	..	..	4,424	
104 B.	Do.	.078	.293 s	.460	..	..	..	..	..	3,892	
105 A.	Light Yellow Wood	.184	.473 s	.564	..	..	..	..	..	4,094	
105 B.	Do.	.313	.397	.516 s	.568	..	..	..	..	5,544	
106 A.	Ironwood	.014	.088	.180 s	..	..	..	..	..	4,181	
106 B.	Do.	.015	.107	.202 s	..	..	..	..	..	4,032	
109 A.	Swamp Mahogany	.032	.145	.324	.324	..	..	..	..	5,563	
109 B.	Do.	.084	.247	.365 s	.437	..	..	..	..	5,488	
111 A.	Water Gum	.012	.077	.240 s	.404	..	..	..	..	5,432	
111 B.	Do.	.013	.075	.204	.326 s	.438	..	..	..	6,384	
111 C.	Do.	.024	.118	.226	.292	.337	.370	.410 s	..	8,624	
111 D.	Do.	.016	.070	.184	.254	.318	.362 s	.400	..	8,101	
114 A.	Brush Iron Bark	.012	.275 s	..	..	..	..	..	..	2,352	
114 B.	Do.	.023	.246 s	..	..	..	..	..	..	2,688	
NEW SOUTH WALES, S.											
1 A.	White or Pale Iron Bark	.007	.010	.018	.051	.114	..	..	..	5,656	
1 B.	Do.	.004	.008	.016	.047	.136	5,292	
1 C.	Do.	.008	.012	.022	.052	.184	5,488	

TABLE VI.—continued.

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TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
NEW SOUTH WALES, S.											
12 B.	True or Yellow Box of Camden -	.012	.036	.157	.204	.248	.276	4,256	Very good smash.
12 C.	Do.	.020	.065	.156	..	..	..	..	..	6,944
13 A.	Bastard Box	.009	.019	.140	..	..	..	..	..	8,920
13 B.	Do.	.008	.015	.076	.380	.478	.539	6,720	Crushed.
13 C.	Do.	.006	.011	.054	..	..	..	..	..	3,854
13 D.	Do.	.006	.011	.082	..	..	..	..	..	3,659
13 AC.	Do.	.008	.017	..	..	..	..	..	..	3,192
13 AD.	Do.	.010	.044	.142	..	..	..	..	..	4,368
14 A.	Do.	.007	.015	..	..	..	..	..	..	2,884
14 B.	Do.	.009	.045	..	..	..	..	..	..	3,024
14 C.	Do.	.009	.028	..	..	..	..	..	..	2,716
14 D.	Do.	.008	.014	..	..	..	..	..	..	3,832
15 A.	Box	.021	.103	.188	3,976	Crushed.
15 B.	Do.	.030	.224	.530	.590	.554	.580	.606	.630	10,080	
15 C.	Do.	.047	.199	.350	.498	.554	.580	.615	..	7,840	
16 A.	Flooded Gum	.140	.350	.476	.535	.598	.595	5,724	Crushed.
17 A.	Phackal Courroo	.008	.014	.059	.220	.500	..	..	..	5,600
17 B.	Do.	.012	.029	.084	.457	..	..	..	..	3,320
17 C.	Do.	.010	.030	.080	.136	3,584	Crushed.
17 D.	Do.	.008	.014	.076	..	..	..	..	..	3,360
18 A.	Blue Gum of Coast Districts	.101	.318	.492	..	..	..	..	..	5,600
18 B.	Do.	.142	.372	.466	.534	.565	3,360	Do.
18 C.	Do.	.166	.505	.608	3,360	Do.
19 A.	Blue Gum of Camden	.013	.080	.332	.454	.498	.526	.555	.580	10,080	Do.
19 B.	Do.	.011	.091	.380	.504	.544	.573	.594	..	7,840	Do.
19 C.	Do.	.010	.034	.376	.460	.520	.558	6,720	Do.
19 D.	Do.	.015	.057	.227	.432	.538	5,600	Do.
20 A.	Blue Gum	.010	.027	.216	.448	.499	.530	6,720	Do.
20 B.	Do.	.012	.035	.206	.276	.340	.432	.486	.527	10,080	Crushed.
21 A.	Blue Gum	.012	.044	.153	..	..	..	..	..	4,032
21 B.	Do.	.012	.051	.430	.483	.542	.587	.605	.618	10,080	
21 C.	Do.	.010	.030	.128	.396	.387	.422	.446	.495	10,080	

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
NEW SOUTH WALES, S.											
21 D.	Blue Gum -	·014	·040	·110	·184	·259	·328	·	·	·	3,780
23 A.	Grey Gum -	·010	·020	·068	·	·	·	·	·	·	6,244
23 B.	Do.	·012	·033	·121	·	·	·	·	·	·	4,368
24 A.	Woolly Butt of Illawarra	·014	·312	·	·	·	·	·	·	·	2,072
24 B.	Do.	·035	·238	·	·	·	·	·	·	·	2,016
25 A.	Rough-barked Gum	·010	·048	·133	·	·	·	·	·	·	4,032
25 B.	Do.	·010	·070	·270	·	·	·	·	·	·	3,864
25 C.	Do.	·009	·018	·158	·	·	·	·	·	·	3,752
25 D.	Do.	·009	·013	·104	·	·	·	·	·	·	3,808
26 C.	Spotted or Mottled Gum	·017	·125	·402	·	·	·	·	·	·	4,256
26 D.	Do.	·008	·067	·	·	·	·	·	·	·	3,248
27 A.	Black Butt Gum -	·051	·397	·552	·581	·601	·620	·633	·647	·656	2,800
27 B.	Do.	·020	·453	·	·	·	·	·	·	·	10,080
27 C.	Do.	·042	·	·	·	·	·	·	·	·	1,568
27 D.	Do.	·030	·	·	·	·	·	·	·	·	1,680
37 A.	Eucalyptus, sp.	·011	·036	·276	·	·	·	·	·	·	3,248
37 B.	Do.	·010	·030	·186	·	·	·	·	·	·	3,696
37 C.	Do.	·010	·029	·125	·	·	·	·	·	·	3,752
37 D.	Do.	·008	·015	·054	·	·	·	·	·	·	3,920
38 A.	Grey Gum from Brisbane Water	·010	·054	·	·	·	·	·	·	·	2,772
38 B.	Do.	·014	·078	·	·	·	·	·	·	·	2,632
38 C.	Do.	·012	·056	·	·	·	·	·	·	·	2,688
38 D.	Do.	·013	·085	·	·	·	·	·	·	·	2,884
40 A.	Messmate	·027	·132	·	·	·	·	·	·	·	2,632
40 B.	Do.	·016	·132	·	·	·	·	·	·	·	3,164
40 C.	Do.	·014	·171	·	·	·	·	·	·	·	2,464
40 D.	Do.	·014	·131	·	·	·	·	·	·	·	2,800
42 A.	Swamp Mahogany	·016	·120	·348	·409	·494	·520	·548	·572	·593	10,080
42 B.	Do.	·014	·336	·495	·558	·553	·604	·629	·640	·656	10,080
42 C.	Do.	·032	·202	·386	·	·	·	·	·	·	3,032
43 A.	Do.	·082	·332	·522	·592	·620	·643	·655	·664	·676	10,080
43 B.	Do.	·135	·520	·551	·654	·668	·678	·688	·697	·706	10,080

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
NEW SOUTH WALES, S.											
43 C.	Swamp Mahogany	—	—	—	—	—	—	—	—	—	—
43 D.	Do.	—	—	—	—	—	—	—	—	—	—
44 A.	Mahogany	—	—	—	—	—	—	—	—	—	—
44 B.	Do.	—	—	—	—	—	—	—	—	—	—
46 A.	Stringy Bark of Coast	—	—	—	—	—	—	—	—	—	—
46 B.	Do.	—	—	—	—	—	—	—	—	—	—
46 C.	Do.	—	—	—	—	—	—	—	—	—	—
46 D.	Do.	—	—	—	—	—	—	—	—	—	—
47 A.	Stringy Bark, Appin.	—	—	—	—	—	—	—	—	—	—
47 B.	Do.	—	—	—	—	—	—	—	—	—	—
48 A.	Stringy Bark, Camden	—	—	—	—	—	—	—	—	—	—
48 B.	Do.	—	—	—	—	—	—	—	—	—	—
48 C.	Do.	—	—	—	—	—	—	—	—	—	—
48 D.	Do.	—	—	—	—	—	—	—	—	—	—
49 A.	Stringy Bark, Berrina	—	—	—	—	—	—	—	—	—	—
49 B.	Do.	—	—	—	—	—	—	—	—	—	—
49 C.	Do.	—	—	—	—	—	—	—	—	—	—
49 D.	Do.	—	—	—	—	—	—	—	—	—	—
52 A.	Apple Tree of Coast	—	—	—	—	—	—	—	—	—	Crushed.
52 B.	Do.	—	—	—	—	—	—	—	—	—	Crushed.
52 C.	Do.	—	—	—	—	—	—	—	—	—	Crushed.
52 D.	Do.	—	—	—	—	—	—	—	—	—	Crushed.
53 A.	Apple Tree	—	—	—	—	—	—	—	—	—	Crushed.
53 B.	Do.	—	—	—	—	—	—	—	—	—	Do.
53 C.	Do.	—	—	—	—	—	—	—	—	—	Do.
53 D.	Do.	—	—	—	—	—	—	—	—	—	Do.
54 A.	Turpentine	—	—	—	—	—	—	—	—	—	Crushed.
54 B.	Do.	—	—	—	—	—	—	—	—	—	Crushed.
55 A.	Water Gum	—	—	—	—	—	—	—	—	—	Crushed.
55 B.	Do.	—	—	—	—	—	—	—	—	—	Crushed.
57 A.	Hickory	—	—	—	—	—	—	—	—	—	Crushed.
57 B.	Do.	—	—	—	—	—	—	—	—	—	Crushed.

Crushed.

Crushed.

Crushed.

Do.

Do.

Do.

Crushed.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.	
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
NEW SOUTH WALES, S.												
57 C.	Hickory -	•068	•226	•322	•414	•494	•422	•	•	•	5,936	
57 D.	Do.	•122	•261	•324	•368	•398	•422	•	•	•	7,784	
59 A.	Prickly Tea Tree -	•222	•364	•446	•474	•614	•647	•670	•700	•727	10,080	Crushed.
59 B.	Do.	•214	•404	•602	•644	•682	•696	•708	•718	•700	10,080	
60 A.	Common Tea Tree	•030	•201	•301	•363	•428	•428	•	•	•	6,608	
60 B.	Do.	•093	•365	•443	•553	•603	•653	•676	•697	•710	10,080	Crushed.
60 C.	Do.	•028	•179	•305	•400	•	•	•	•	•	5,264	
64 A.	Broad-leaved Tea Tree	•017	•103	•223	•374	•	•	•	•	•	5,208	
64 B.	Do.	•013	•109	•250	•	•	•	•	•	•	3,472	
70 A.	Myrtle -	•009	•034	•180	•	•	•	•	•	•	3,864	
70 B.	Do.	•007	•015	•101	•327	•	•	•	•	•	4,816	
84 A.	Black Wattle of Illawarra	•004	•196	•288	•553	•	•	•	•	•	5,544	
84 B.	Do.	•047	•162	•255	•319	•390	•	•	•	•	5,000	
105 A.	River or White Oak	•010	•024	•070	•232	•313	•	•	•	•	6,552	
105 B.	Do.	•022	•067	•150	•232	•313	•448	•460	•477	•488	10,080	
108 A.	Beech Brush Cherry	•130	•272	•340	•385	•413	•428	•450	•468	•486	10,080	
108 B.	Do.	•121	•266	•335	•374	•402	•415	•450	•468	•486	10,080	
120 A.	Teak Wood	•222	•371	•469	•513	•556	•615	•566	•580	•594	9,268	
120 B.	Do.	•388	•414	•488	•512	•549	•555	•580	•580	•594	9,268	
125 A.	Maiden's Blush, Ladies' Blush	•315	•461	•506	•535	•564	•587	•630	•650	•678	10,080	
125 B.	Do.	•375	•470	•539	•589	•557	•570	•581	•590	•596	10,080	
125 C.	Do.	•403	•484	•523	•546	•562	•576	•586	•596	•605	10,080	
125 D.	Do.	•	•	•	•	•	•	•	•	•	•	
127 A.	Tamarind Tree	•242	•473	•557	•604	•636	•662	•	•	•	6,720	
136 A.	White Maple	•267	•364	•406	•450	•500	•	•	•	•	6,272	
136 B.	Do.	•232	•368	•416	•448	•482	•	•	•	•	5,824	
136 C.	Do.	•161	•448	•609	•651	•680	•703	•717	•727	•736	10,080	Crushed.
136 D.	Do.	•221	•318	•384	•420	•453	•517	•	•	•	7,804	
137 B.	Do.	•025	•125	•231	•286	•	•	•	•	•	4,872	
139 A.	White Myrtle, Blue Ash, Ash	•411	•511	•547	•572	•593	•618	•632	•643	•654	10,080	Very good.
140 A.	Light Wood, Leather Jacket, Coach Wood.	•343	•467	•525	•557	•578	•599	•619	•637	•685	10,080	Good.

Very good, not moved.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
QUEENSLAND.											
4 A.	Cypress Pine	242	412	468	490	506	516	528	540	9,744	Good fracture.
5 A.	Shi Pine	458	520	550	568	581	593	601	609	10,080	
5 B.	Do.	250	449	511	554	586	575	587	595	10,080	Good fracture.
5 Aa.	Do.	378	504	546	570	586	598	608	618	10,080	
6 A.	Forest Oak	006	010	019	019	019	019	019	019	3,920	Good fracture.
6 B.	Do.	010	020	057	100	132	165	188	215	9,912	
6 Aa.	Do.	104	234	322	416	445	501	587	696	6,272	s. Started here.
6 Ab.	Do.	049	057	089 s	362	445	501	587	696	1,568	
7 A.	River Oak	057	186	289 s	362	445	501	587	696	1,568	Very good fracture.
8 A.	Shingle Oak	307	411	465	510	540	551	558	566	5,600	
8 B.	Do.	242	354	398	435	462	488	508	525	10,080	Good fracture.
8 Aa.	Do.	252	335	388	414	432	454	464	476	9,856	
8 Ab.	Do.	010	015	026	052	080	108	132	161	10,080	Good fracture.
9 A.	Swamp Oak	008	014	026	076	149	288	389	500	5,600	
9 B.	Do.	436	558	620	644	666	678	688	700	10,080	Good fracture.
10 A.	Red Cedar	387	508	558	586	608	627	638	650	9,856	
10 B.	Do.	408	526	579	604	626	639	653	666	10,080	Good fracture.
10 Aa.	Do.	461	570	620	642	662	676	688	700	10,080	
10 Ab.	Do.	352	444	499	534	554	566	578	590	6,384	Good fracture.
11 A.	Light Yellow Wood	264	449	534	653	673	685	708	730	10,080	
11 B.	Do.	280	434	521	607	633	656	670	684	10,080	Good fracture.
11 Aa.	Do.	253	402	483	554	584	607	621	635	5,336	
11 Ab.	Do.	010	083	503	584	633	656	670	684	5,336	Good fracture.
12 A.	Flindosa	012	082	503	584	633	656	670	684	5,336	
12 B.	Do.	012	082	503	584	633	656	670	684	5,336	Good fracture.
12 Aa.	Do.	013	117	503	584	633	656	670	684	5,336	
12 Ab.	Do.	014	102	503	584	633	656	670	684	5,336	Good fracture.
13 A.	Do.	174	328	392	441	487	524	587	696	2,352	
13 B.	Do.	223	340	392	434	466	524	587	696	2,352	Good fracture.
13 Aa.	Do.	152	309	382	420	472	524	587	696	6,384	
13 Ab.	Do.	198	312	368	407	428	452	466	480	6,804	Good fracture.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.			
QUEENSLAND.													
14 A.	-	4,256	Severe fracture.
14 B.	-	..	..	..	..	..	..	..	..	..	..	4,396
15 A.	Silky Oak	..	..	..	..	..	..	..	..	..	..	784
15 B.	Do.	..	..	..	..	..	..	..	..	..	..	10,080
15 Aa.	Do.	810	Good tough fracture.
15 Ab.	Do.	..	..	..	..	..	..	..	..	..	..	8,400
16 A.	Beef Wood	..	..	..	..	..	..	..	..	..	..	682
16 B.	Do.	..	..	..	..	..	..	..	..	..	..	729
16 Aa.	Do.	715	Slight dry rot.
16 Ab.	Do.	..	..	..	..	..	..	..	..	..	..	644
17 A.	Tulip Tree	..	..	..	..	..	..	..	..	..	..	5,600
17 B.	Do.	..	..	..	..	..	..	..	..	..	..	6,384
17 Aa.	Do.	7,392	Severe fracture.
17 Ab.	Do.	..	..	..	..	..	..	..	..	..	..	4,480
18 A.	-	..	..	..	..	..	..	..	..	..	..	4,928
18 B.	-	..	..	..	..	..	..	..	..	..	..	3,248
19 A.	Light Wood	3,304	Broke, under $\frac{1}{2}$ ton. Broke, under $\frac{3}{4}$ ton.
19 B.	Do.	..	..	..	..	..	..	..	..	..	..	3,052
19 Aa.	Do.	..	..	..	..	..	..	..	..	..	..	3,360
19 Ab.	Do.	..	..	..	..	..	..	..	..	..	..	5,376
20 A.	Callum	3,080	Severe fracture.
20 B.	Do.	..	..	..	..	..	..	..	..	..	..	10,080
20 Aa.	Do.	..	..	..	..	..	..	..	..	..	..	10,080
20 Ab.	Do.	..	..	..	..	..	..	..	..	..	..	10,080
20 Ba.	Do.	Broke, under $\frac{1}{2}$ ton. Broke, under $\frac{3}{4}$ ton.
20 Bb.	Do.	..	..	..	..	..	..	..	..	..	..	..
21 A.	Cabbage Tree	..	..	..	..	..	..	..	..	..	..	..
21 B.	Do.	..	..	..	..	..	..	..	..	..	..	..
22 A.	Mountain Ash	4,592	Broke, under $\frac{1}{2}$ ton. Broke, under $\frac{3}{4}$ ton.
23 A.	Do.	..	..	..	..	..	..	..	..	..	..	4,144
23 Aa.	Do.	..	..	..	..	..	..	..	..	..	..	4,452
23 Ab.	Do.	..	..	..	..	..	..	..	..	..	..	..

Severe fracture.

Good tough fracture.

Slight dry rot.

Severe fracture.

Broke, under $\frac{1}{2}$ ton.
Broke, under $\frac{1}{2}$ ton.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.	
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
QUEENSLAND.												
24 A.	Broad-leaved Cherry Tree	-	-	-	-	-	-	-	-	-	-	Severe fracture; dry rot. Do. Severe fracture.
24 B.	Do.	-	-	-	-	-	-	-	-	-	-	
24 Aa.	Do.	-	-	-	-	-	-	-	-	-	-	
24 Ab.	Do.	-	-	-	-	-	-	-	-	-	-	
25 A.	Cherry	-	-	-	-	-	-	-	-	-	-	
25 B.	Do.	-	-	-	-	-	-	-	-	-	-	
25 Aa.	Do.	-	-	-	-	-	-	-	-	-	-	
25 Ab.	Do.	-	-	-	-	-	-	-	-	-	-	
26 A.	Mangrove	-	-	-	-	-	-	-	-	-	-	
26 B.	Do.	-	-	-	-	-	-	-	-	-	-	
27 A.	Do.	-	-	-	-	-	-	-	-	-	-	
27 B.	Do.	-	-	-	-	-	-	-	-	-	-	
28 Aa.	Do.	-	-	-	-	-	-	-	-	-	-	
28 Ab.	Do.	-	-	-	-	-	-	-	-	-	-	
29 A.	Lignum Vitae	-	-	-	-	-	-	-	-	-	-	
29 B.	Do.	-	-	-	-	-	-	-	-	-	-	
29 Aa.	Do.	-	-	-	-	-	-	-	-	-	-	
29 Ab.	Do.	-	-	-	-	-	-	-	-	-	-	
30 A.	Beech	-	-	-	-	-	-	-	-	-	-	
30 B.	Do.	-	-	-	-	-	-	-	-	-	-	
30 Aa.	Do.	-	-	-	-	-	-	-	-	-	-	
30 Ab.	Do.	-	-	-	-	-	-	-	-	-	-	
31 A.	White Cedar	-	-	-	-	-	-	-	-	-	-	
31 B.	Do.	-	-	-	-	-	-	-	-	-	-	
31 Aa.	Do.	-	-	-	-	-	-	-	-	-	-	
31 Ab.	Do.	-	-	-	-	-	-	-	-	-	-	
32 A.	Plum Tree	-	-	-	-	-	-	-	-	-	-	
32 B.	Do.	-	-	-	-	-	-	-	-	-	-	
32 Aa.	Do.	-	-	-	-	-	-	-	-	-	-	
32 Ab.	Do.	-	-	-	-	-	-	-	-	-	-	
33 A.	Rosewood	-	-	-	-	-	-	-	-	-	-	
33 B.	Do.	-	-	-	-	-	-	-	-	-	-	
33 Aa.	Do.	-	-	-	-	-	-	-	-	-	-	
33 Ab.	Do.	-	-	-	-	-	-	-	-	-	-	

TABLE VI.—continued.

[illegible]

TABLE VI.--continued.

No. of Specimen.	Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.	
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.				
QUEENSLAND.														
69 Aa.	Smooth-barked Gum	-	-	-	-	-	-	-	-	-	-	-	3,136	Severe fracture.
69 Ab.	Do.	118	248 S	529	568	592	611	624	640	656	660	677	10,080	
70 A.	Blood Wood	983	446 S	529	568	592	611	624	640	656	660	677	10,080	
70 B.	Do.	135	245	302 S	465	554	576	594	618	640	652	666	10,080	
70 Aa.	Do.	186	334 S	417	465	554	576	594	618	640	652	666	10,080	Severe fracture.
70 Ab.	Do.	255	213 S	372	464	550	590	616	629	652	660	677	10,080	
71 A.	Swamp Mahogany	16	213 S	372	464	550	590	616	629	652	660	677	10,080	
71 B.	Do.	107 S	213 S	372	464	550	590	616	629	652	660	677	10,080	
71 Aa.	Do.	111 S	213 S	372	464	550	590	616	629	652	660	677	10,080	Severe fracture.
72 A.	Woolly Butt	908 S	213 S	372	464	550	590	616	629	652	660	677	10,080	
72 B.	Do.	13 S	213 S	372	464	550	590	616	629	652	660	677	10,080	
72 Aa.	Do.	112	213 S	372	464	550	590	616	629	652	660	677	10,080	
72 Bb.	Do.	101 S	213 S	372	464	550	590	616	629	652	660	677	10,080	Severe fracture.
73 A.	Blue Gum	908	240	369	465	550	590	616	629	652	660	677	10,080	
73 B.	Do.	74	218 S	369	465	550	590	616	629	652	660	677	10,080	
73 Aa.	Do.	928	240	369	465	550	590	616	629	652	660	677	10,080	
73 Ab.	Do.	147	240	369	465	550	590	616	629	652	660	677	10,080	Severe fracture.
76 A.	Prickly-leaved Tea Tree	942	310	389 S	481	550	557	579	595	616	629	652	10,080	
76 B.	Do.	118	326	396 S	461	509	572	603	637	673	688	712	10,080	
76 Aa.	Do.	142	350	437 S	550	617	664	684	698	712	726	740	10,080	
76 Ab.	Do.	216	385	479	515 S	515 S	515 S	515 S	515 S	515 S	515 S	515 S	10,080	Tough fracture.
77 A.	Broad-leaved Tea Tree	157	306	370	407 S	430	453 S	481	509	534	554	579	10,080	
77 B.	Do.	167	297	380	404	430	453 S	481	509	534	554	579	10,080	
79 A.	Common Tea Tree	200	172 S	380	404	430	453 S	481	509	534	554	579	10,080	
79 B.	Do.	1919	142 S	380	404	430	453 S	481	509	534	554	579	10,080	Dry rotten specimen.
79 Aa.	Do.	1010 S	142 S	380	404	430	453 S	481	509	534	554	579	10,080	
79 Ab.	Do.	909	214 S	385	492	535	568	585	612	626	640	654	10,080	
80 A.	Bottle Brush Tree	934	205	418 S	492	535	568	585	612	626	640	654	10,080	
80 B.	Do.	951	227 S	400	492	535	568	585	612	626	640	654	10,080	Dry rotten specimen.
80 Aa.	Do.	922	166 S	384	492	535	568	585	612	626	640	654	10,080	
80 Ab.	Do.	925	164 S	384	492	535	568	585	612	626	640	654	10,080	
81 A.	Do.	986	278 S	385	492	535	568	585	612	626	640	654	10,080	

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
QUEENSLAND.											
81 B.	-	.052	.212	.315	.359 s	.418	.448	..	..	6,720	Dry rotten specimen.
81 Aa.	-	.024	.182 s	.305	..	..	..	..	..	3,920	Do.
81 Ab.	-	.059	.239 s	.366	..	..	..	..	..	4,144	..
83 A.	Rottlera	.023 s	..	..	..	..	..	..	..	1,680	..
83 B.	Do.	.053	.365	..	..	..	..	..	..	3,024	..
83 Aa.	Do.	.015 s	..	..	..	..	..	..	..	2,240	..
83 Ab.	Do.	.101 s	.441 s	.545	.604	.630	.647	.662	.686	10,080	Severe fracture.
84 A.	Satin Wood	.085	.306	.393 s	.460	.516	..	..	..	5,824	..
84 B.	Do.	.129	.238	.361 s	.430 s	.476	..	..	..	4,116	..
84 Aa.	Do.	.202	.303	.385	.430 s	.476	..	..	..	6,188	..
84 Ab.	Do.	.152	.364	.425	.470	.507	..	..	..	6,300	..
86 A.	-	..	..	..	..	..	..	..	..	2,044	..
86 B.	-	.573	..	..	..	..	..	..	..	..	..
87 A.	Leichhardt's Wood	.480	..	..	..	..	..	..	..	635	Dry rotten specimen.
87 B.	Do.	.025	.192	.290 s	.406	..	..	..	..	4,928	Do.
88 A.	Bursaria ferruginea	.015	.126	.244	.306	..	..	..	..	5,264	..
88 B.	Do.	.023	.186	.296 s	.380	..	..	..	..	5,320	..
88 Aa.	Do.	.016	.140 s	.396	..	..	..	..	..	3,752	..
88 Ab.	Do.	.046	.225	.318	.370	.412 s	.460	..	..	6,533	..
89 A.	Bursaria spinosa	.103	.270	.352	.383	.413 s	..	..	..	4,200	..
89 B.	Do.	.010	.049	.153	..	..	..	..	..	5,320	..
90 A.	N. O. Pittosporaciae?	.010	.030	.120	.212 s	..	..	..	..	4,144	..
90 B.	Do.	.007	.010	.021 s	..	..	..	..	..	3,976	..
91 A.	Crab Tree	.010	.017	.069	..	..	..	..	..	758	Severe fracture.
91 B.	Do.	.476	.536	.568	.590	.607	.619 s	.635	.651	10,080	..
92 A.	Anacardiaceae	..	..	..	..	..	..	..	..	..	..
92 B.	Do.	..	..	..	..	..	..	..	..	..	..
92 Aa.	Do.	..	..	..	..	..	..	..	..	..	..
92 Ab.	Do.	..	..	..	..	..	..	..	..	..	..
92 Ba.	Do.	..	..	..	..	..	..	..	..	..	..
92 Bb.	Do.	.547	.584	.600	.621	.630	.640	.649	.658	10,080	Tough specimen.

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
QUEENSLAND.											
106 B.	-	.032	.110	.178	.228	.284	..	..	..	..	6,328
106 Aa.	-	.039	.157	.273	..	..	..	..	..	..	3,808
106 Ab.	-	.058	.238	..	..	..	..	..	..	..	2,604
106 Ba.	-	.030	.114	.234	.339	..	..	..	..	..	4,480
106 Bb.	-	.026	.129	.219	..	..	..	..	..	..	4,396
106 Ca.	-	.050	.165	.279	..	..	..	..	..	..	4,200
106 Cb.	-	.046	.160	.234	.297	..	..	..	..	..	4,704
108 A.	-	.015	.076	.206	.288	.360	..	..	..	..	5,796
108 B.	-	.009	.023	.160	.256	..	..	..	..	..	4,928
108 Aa.	-	.015	.095	.219	.314 s	.362	..	..	..	..	5,787
108 Ab.	-	.010	.070	.177	.260 s	..	..	..	..	..	5,040
109 A.	Olive Tree	.016	.113	.216	.334 s	..	..	..	..	..	4,741
109 B.	Do.	.012	.102	.212 s	.394	..	..	..	..	..	4,741
109 Aa.	Do.	.016	.125	.215	.275	..	..	..	..	..	5,616
109 Ab.	Do.	.015	.097	.199	.256	.304 s	..	..	..	..	6,384
110 A.	-	.012	.085	.181	..	..	..	..	..	..	3,864
110 B.	-	.009	.038	.150 s	..	..	..	..	..	..	3,752
110 Aa.	-	.012	.042	.138	.213	..	..	..	..	..	4,816
110 Ab.	-	.009	.038	.150 s	..	..	..	..	..	..	3,752
111 A.	-	.014	.060	.140 s	..	..	..	..	..	..	3,920
111 B.	-	.020	.071 s	..	..	..	..	..	..	..	3,248
111 Aa.	-	.090 s	.248	..	..	..	..	..	..	..	2,688
111 Ab.	-	.047	.189 s	..	..	..	..	..	..	..	3,248
112 A.	-	—	—	..	..	..	..	..	..	..	—
112 B.	-	—	—	..	..	..	..	..	..	..	—
112 Aa.	N. O. Casuarinaceae	.093 s	.365	..	..	..	..	..	..	..	2,744
112 Ab.	Do.	.310 s	..	..	..	..	..	..	..	..	1,512
113 A.	Mangrove	.042	.167	.246	.297	.340	.386 s	..	..	..	7,616
113 B.	Do.	.012	.070 s	..	..	..	..	..	..	..	3,360
113 Aa.	Do.	..	..	.222	.280	.325 s	..	..	..	..	..
113 Ab.	Do.	.026	.143	..	..	..	..	..	..	..	5,824

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
QUEENSLAND.											
2 A.	Moreton Bay	—	—	—	—	—	—	—	—	—	—
2 B.	Do.	—	—	—	—	—	—	—	—	—	—
2 Aa.	Do.	—	—	—	—	—	—	—	—	—	—
2 Ab.	Do.	—	—	—	—	—	—	—	—	—	—
RUSSIA.											
1 A.	Riga Fir	487	529	574	602	622	635	659 s	..	..	8,652
1 B.	Do.	398	446	500	529 s	..	..	..	..	..	5,488
1 C.	Do.	460	505	550	582	618 s	639	644 s	..	..	7,728
1 D.	Do.	451	500	544	576	600	616	..	..	..	8,624
2 A.	Larch	370	436	480	512	557 s	577	..	..	..	6,645
2 B.	Do.	420	469	521	548	577	602 s	..	..	..	7,700
3 A.	Riga Oak	546 s	619	674	698	716	729	741	748	755	10,080
3 B.	Do.	304 s	..	..	..	..	..	..	..	..	1,829
3 C.	Do.	..	..	..	..	..	..	..	..	..	983
3 D.	Do.	..	..	..	..	..	..	..	..	..	Crushed.
TASMANIA.											
8 A.	Black Wood	094	340	400 s	541	595	..	..	..	..	6,285
8 B.	Do.	020	164	426 s	..	..	..	..	..	..	4,368
8 C.	Do.	012	218	502 s	628	656	676	683	698	709	10,080

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.			
TRINIDAD.													
155 D.	Garlick Pear	—	—	—	—	—	—	—	—	—	—	—	No experiments.
158 A.	Do.	—	—	—	—	—	—	—	—	—	—	—	
158 B.	Do.	—	—	—	—	—	—	—	—	—	—	—	
158 C.	Do.	—	—	—	—	—	—	—	—	—	—	—	
158 D.	Do.	—	—	—	—	—	—	—	—	—	—	—	
162 A.	Mahoe	—	—	—	—	—	—	—	—	—	—	—	No experiments.
162 B.	Do.	—	—	—	—	—	—	—	—	—	—	—	
166 A.	Soap-nut Tree (Bois Corticera)	•063 s	•227	•332	•390	•443 s	•491	—	—	—	—	—	
166 B.	Do.	•062	•228 s	•332	•390	•443 s	•491	—	—	—	—	—	
166 C.	Do.	•077	•258 s	•332	•390	•443 s	•491	—	—	—	—	—	
168 A.	Surette	•055 s	•	•	•	•	•	•	•	•	•	•	
168 B.	Do.	•055 s	•	•	•	•	•	•	•	•	•	•	
168 C.	Do.	•069 s	•	•	•	•	•	•	•	•	•	•	
168 D.	Do.	•046 s	•	•	•	•	•	•	•	•	•	•	
169 A.	Paraman	•078	•280 s	•	•	•	•	•	•	•	•	•	
169 B.	Do.	•170	•360 s	•	•	•	•	•	•	•	•	•	
169 C.	Do.	•170 s	•	•	•	•	•	•	•	•	•	•	
169 D.	Do.	•132 s	•290	•382	•484 s	•	•	•	•	•	•	•	
171 A.	Galba	•145	•380	•490 s	•	•	•	•	•	•	•	•	
171 B.	Do.	•191	•380	•490 s	•	•	•	•	•	•	•	•	
171 C.	Do.	•077 s	•	•	•	•	•	•	•	•	•	•	
171 D.	Do.	•029 s	•	•	•	•	•	•	•	•	•	•	
180 E.	Crabtree	•152 s	•	•	•	•	•	•	•	•	•	•	
180 C.	Do.	—	—	—	—	—	—	—	—	—	—	—	
180 D.	Do.	—	—	—	—	—	—	—	—	—	—	—	
185 A.	Noyer	•010	•028	•145 s	•	•	•	•	•	•	•	•	
185 B.	Do.	•017	•079	•241 s	•	•	•	•	•	•	•	•	
185 C.	Do.	•014	•086	•223 s	•	•	•	•	•	•	•	•	
185 D.	Do.	•012	•039	•158 s	•	•	•	•	•	•	•	•	
186 A.	Mango	•294	•438	•540 s	•592	•636	•659	•682	•695	•703	•	•	
186 B.	Do.	•091	•364	•439	•479	•508	•538	•561 s	•	•	•	•	
187 A.	Gommier	•262 s	•	•	•	•	•	•	•	•	•	•	

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
TRINIDAD.											
212 A.	Balsam Capivi	.059	.218	.389	.395	.432	.460 s	..	..	7,672	
212 B.	Do.	.018	.138	.322	.390	.496 s	..	..	..	6,347	
214 A.	Savonette Jaune	.015	.126	.213	.280	.341	.400 s	.441	..	8,624	
214 B.	Do.	.010	.070	.172	.262	.314 s	.420	..	..	6,944	
214 C.	Do.	.013	.109	.204	.267	.328	..	..	..	6,272	
214 D.	Do.	.016	.128	.212	.298 s	.416	.515	.542	.603	10,080	
216 A.	Purple Heart	.007	.010	.017	.051 s	..	..	..	..	5,451	
217 A.	Locust	.013	.081 s	..	..	..	..	..	..	3,024	
217 B.	Do.	.016	.042 s	..	..	..	..	..	..	3,173	
218 A.	Naranjillo Amarillo	.008	.016	..	.252 s	..	..	..	..	5,012	
218 B.	Do.	.015	.068 s	.175	..	..	..	..	..	3,173	
218 C.	Do.	..	..	..	..	..	..	..	..	4,228	
218 D.	Do.	.015	.098	.208 s	..	..	..	..	..	4,480	
219 A.	Tamarind	.017	.041	.177 s	..	..	..	..	..	6,608	
219 B.	Do.	.012	.053	.194	.280	.346 s	..	..	..	6,604	
219 C.	Do.	.013	.054	.164	.239	.291 s	..	..	..	7,056	No experiment.
219 D.	Do.	..	..	..	..	..	..	..	..	3,248	
220 A.	Casse	.080	.268	.410 s	.472	.518	.560	..	..	6,468	
220 B.	Do.	.008	.018 s	..	.023	.085 s	..	..	..	5,301	
221 A.	Guatamare	.006	.009	.012	.023	..	..	..	..	2,688	
221 B.	Do.	.006	.010	.027	.082 s	..	..	..	..	2,660	
222 A.	Bois Mulatre	.138	.302 s	..	..	..	..	..	..	2,184	
222 B.	Do.	.111	.264 s	..	..	..	..	..	..	1,456	
222 C.	Do.	.076 s	..	..	..	..	..	..	..	3,920	
222 D.	Do.	.040 s	..	..	..	..	..	..	..	3,248	
225 A.	Angelin	.008	.024	.210 s	..	..	..	..	..	..
225 B.	Do.	..	.124 s	..	..	..	..	..	..	..
226 C.	Do.	.011	..	..	..	..	..	..	..	..
226 D.	Do.	..	..	..	..	..	..	..	..	..
227 A.	Do.	.212	.382	.481 s	.532	.588	.604	.622	.656	10,080	} No experiments.
227 B.	Do.	.307	.479 s	.573	.617	.641	.665	.690	.703	10,080	

TABLE VI.—continued.

TABLE VI. — <i>continued.</i>										
No. of Specimen.	Local Name.	Compression at a Weight of							Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.			lbs. 8,960.	lbs. 10,080.
TRINIDAD.										
237 A.	Sapodilla, Sapotillier	.018	.034	.080	.164 s	..	..	..	..	5,600
237 B.	Do.	.007	.013	.030	.094 s	..	..	..	..	5,413
243 A.	Acouma, or Mastic	.008	.018	.094 s	..	..	..	..	..	4,069
243 B.	Do.	.013	.033 s	..	..	..	..	..	..	3,304
248 A.	Cypre	.433 s	.559	..	..	..	..	..	..	3,024
248 B.	Do.	.402	.583	.638	.684	.715	.726	.735	.756	10,080
248 C.	Do.	.512	.603	.650	.676	.683	.730	.742	.768	10,080
248 D.	Do.	.464	.602	.646	.674	.689	.703	.726	.765	10,080
262 A.	Olivier	.018	.123 s	..	..	..	..	..	..	2,912
262 B.	Do.	.020	.134	.246 s	..	..	..	..	..	4,032
262 C.	Do.	.024	.108	.222 s	..	..	..	..	..	4,256
262 D.	Do.	.028	.140	.236	..	..	..	..	..	4,443
265 A.	Red Mangrove	.016	.060	.170	..	..	..	..	..	3,976
265 B.	Do.	.010	.039	.167 s	..	..	..	..	..	3,976
270 A.	Wild Guava	.024	.099 s	.254 s	..	..	..	..	..	3,080
270 B.	Do.	.034	.130	..	..	..	..	..	..	3,808
270 Aa.	Do.	—	—	—	—	—	—	—	—	—
270 Ab.	Do.	—	—	—	—	—	—	—	—	—
270 Ac.	Do.	—	—	—	—	—	—	—	—	—
270 Ad.	Do.	—	—	—	—	—	—	—	—	—
276 A.	Guatécure	.011	.054 s	.163 s	..	..	..	..	..	3,173
276 B.	Do.	.009	.046	.277 s	..	..	..	..	..	3,584
280 A.	Genipa	.009	.038	.235 s	..	..	..	..	..	3,584
280 B.	Do.	.010	.060	.235 s	..	..	..	..	..	3,547
280 C.	Do.	.018	.113	.233 s	..	..	..	..	..	4,452
280 D.	Do.	.014	.069	.238 s	..	..	..	..	..	3,696
287 A.	Do.	—	—	—	—	—	—	—	—	—
287 B.	Pui	.006	.008	.012	.027	..	..	..	..	5,544
287 C.	Do.	.007	.010	.030	.059	.334	..	..	..	5,460
269 D.	Do.	.016	.085	.210	.290	..	..	..	..	6,328
201 C.	Laurier Blanc	.238	.424	.504	..	..	..	..	..	4,396
201 D.	Do.	.280	.415	.472	.502	.522	.539	..	..	7,784

No experiments.

TABLE VI.--continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.	
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
TRINIDAD.												
201 AC.	Laurier Blanc	-	-	-	-	-	-	-	-	-	-	} No experiments. No experiment. } No experiments.
201 AD.	Do.	-	-	-	-	-	-	-	-	-	-	
163 A.	-	-	-	-	-	-	-	-	-	-	-	
167 A.	Cacaponile	-	-	-	-	-	-	-	-	-	-	
167 B.	Do.	-	-	-	-	-	-	-	-	-	-	
167 C.	Do.	-	-	-	-	-	-	-	-	-	-	
VICTORIA.												
Peppermint Tree -												
1 A.	Do.	.008	.022 s	.456	.542	.576	.602	.623	.636	.650	2,660	Crushed. Split in two. Not quite dry. Not quite dry; smashed. Not quite dry.
1 B.	Do.	.013	.076 s	..	..	..	..	..	..	..	10,080
1 C.	Do.	.008	.024 s	..	..	..	..	..	..	..	2,800
1 D.	Do.	.018	.181	.339 s	.498 s	.610	.629	.646	.663	.674	3,024	
2 A.	Grey Box Tree	.015	.093	.244	.377	.425 s	..	..	..	..	10,080
2 B.	Do.	.085	.240	.322	.377	..	..	..	..	..	5,012
2 C.	Do.	.025	.174	.285	.378 s	..	..	..	..	..	3,360
2 D.	Do.	.016	.114 s	.342	..	..	..	..	..	..	2,501
2 AD.	Do.	.014	.119 s	..	..	..	..	..	..	..	3,845
2 AC.	Do.	.011	.022	.377 s	..	..	..	..	..	..	3,808
2 AD.	Do.	.014	.050	.205 s	..	..	..	..	..	..	4,732
3 A.	Do.	.019	.106	.224	.381 s	..	..	..	..	..	5,096
3 B.	Do.	.027	.135	.261	.334 s	..	..	..	..	..	4,144
4 A.	Do.	.008	.017	.079 s	..	..	..	..	..	..	5,320
4 B.	-	-	-	..	..	..	..	..	..	..	2,744
5 AD.	-	.098	.247 s	.350 s	.422	..	..	..	..	..	10,080
5 AB.	-	.021	.151 s	..	..	..	..	..	..	..	2,436
5 AC.	-	.048	.196	.325 s	.414	..	..	.600	.612 s	.636	
6 A.	Eucalyptus	.400	.488	.537	.553	.575	.588	..	..	..
6 B.	Do.	.118	.288	..	..	..	..	..	..	..

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of								Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.			lbs. 10,080.
VICTORIA.											
6 C.	Eucalyptus	.038	.185	.328	.548 s	.633	.652	.666	.677	.686	Severe fracture.
7 A.	"	.020	.108	.234 s	.345 s	"	"	"	"	"	
7 B.	"	.015	.028	.148	.345 s	"	"	"	"	"	
7 C.	"	.021	.164 s	.354	"	.275 s	"	"	"	"	
8 A.	"	.014	.054	.153	.225	"	"	"	"	"	
8 B.	"	.015	.038	.100 s	.198	.292	"	"	"	"	
8 C.	"	.013	.029 s	"	"	"	"	"	"	"	
8 D.	"	.008	.015	.048	"	"	"	"	"	"	
9 A.	"	.010	.096	.279 s	.558	.578	.601	.629	.664	.679	
9 B.	"	.036	.230	.373 s	"	"	"	"	"	"	
9 C.	"	"	"	"	"	"	"	"	"	"	
9 D.	"	"	"	"	"	"	"	"	"	"	
10 A.	Woolly Butt	.021	.094	.204 s	"	"	"	"	"	"	No experiment.
10 B.	Do.	.010	.028	.261 s	"	"	"	"	"	"	
10 C.	Do.	.009	.018	.266 s	"	"	"	"	"	"	
10 D.	Do.	.012	.040	.163 s	"	"	"	"	"	"	
10 A ₆ .	"	.012	.063	.210 s	"	"	"	"	"	"	
10 A ₆ .	"	.008	.016	.097 s	"	"	"	"	"	"	
10 A ₆ .	"	.008	.018	.166 s	"	"	"	"	"	"	
10 A ₆ .	"	"	"	"	"	"	"	"	"	"	
10 A ₆ .	"	"	"	"	"	"	"	"	"	"	
11 A.	Broad-leaved Box Tree	.114	.232	.321 s	"	"	"	"	"	"	No experiment.
11 B.	Do.	.225 s	"	"	"	"	"	"	"	"	
11 C.	Do.	.301 s	.416	.467	.500	.530	.560	"	"	"	
11 D.	Do.	.166	.312	.386	"	"	"	"	"	"	
12 A.	Honeysuckle	"	"	"	"	"	"	"	"	"	
12 B.	Do.	"	"	"	"	"	"	"	"	"	
12 C.	Do.	"	"	"	"	"	"	"	"	"	
12 D.	Do.	.297	.446	.528 s	.608	.646	.672	.688	.705	.716	
13 A.	"	.626	.657	.682	.694	.704	.714	.722	.738	.735	
13 A ₆ .	"	.624	.658	.681	.701	.712	.724	.732	.739	.746	
14 A.	Gully Tree Fern	.020	.187	.310	.402	.450	.495 s	"	"	"	

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.			
VICTORIA.													
34 C.	-	3,808	Severe fracture.
34 D.	-	..	..	..	..	..	..	..	..	..	..	3,752
35 A.	Stringy Bark	..	..	..	..	..	..	..	..	..	..	1,568
35 B.	Do.	..	..	..	..	..	..	..	..	..	..	10,080
35 C.	Do.	..	..	..	..	..	..	..	..	..	..	691
35 D.	Do.	..	..	..	..	..	..	..	..	..	..	3,136
36 A.	White Gum	..	..	..	..	..	..	..	..	..	..	952
36 B.	Do.	..	..	..	..	..	..	..	..	..	..	10,080
36 C.	Do.	..	..	..	..	..	..	..	..	..	..	10,080
36 D.	Do.	..	..	..	..	..	..	..	..	..	..	726
37 A.	Native Cherry Tree	..	..	..	..	..	..	..	..	..	..	621
38 A.	Do.	..	..	..	..	..	..	..	..	..	..	2,576
38 B.	Do.	..	..	..	..	..	..	..	..	..	..	2,492
38 C.	Do.	..	..	..	..	..	..	..	..	..	..	3,360
38 D.	Do.	..	..	..	..	..	..	..	..	..	..	3,192
39 A.	Spurious Mulberry Tree	..	..	..	..	..	..	..	..	..	..	..
39 B.	Do.	..	..	..	..	..	..	..	..	..	..	..
39 C.	Do.	..	..	..	..	..	..	..	..	..	..	..
39 D.	Do.	..	..	..	..	..	..	..	..	..	..	..
39 A ₁ .	Do.	..	..	..	..	..	..	..	..	..	..	..
39 A ₂ .	Do.	..	..	..	..	..	..	..	..	..	..	..
39 A ₃ .	Do.	..	..	..	..	..	..	..	..	..	..	..
40 A.	Coast Honeysuckle	..	..	..	..	..	..	..	..	..	..	10,080
40 B.	Do.	..	..	..	..	..	..	..	..	..	..	10,080
40 C.	Do.	..	..	..	..	..	..	..	..	..	..	10,080
40 D.	Do.	..	..	..	..	..	..	..	..	..	..	10,080
42 A.	-	..	..	..	..	..	..	..	..	..	..	5,488
42 B.	-	..	..	..	..	..	..	..	..	..	..	5,600
42 C.	-	..	..	..	..	..	..	..	..	..	..	5,339
42 D.	-	..	..	..	..	..	..	..	..	..	..	6,580
42 A ₁.	-	..	..	..	..	..	..	..	..	..	..	5,600
42 A ₂.	-	..	..	..	..	..	..	..	..	..	..	7,784

TABLE VI.—continued.

No. of Specimen.	Local Name.	Compression at a Weight of										Crushing Weight in Pounds.	REMARKS.
		lbs. 1,120.	lbs. 2,240.	lbs. 3,360.	lbs. 4,480.	lbs. 5,600.	lbs. 6,720.	lbs. 7,840.	lbs. 8,960.	lbs. 10,080.			
VICTORIA.													
-	-	.016	.160	.289	.444 S	..	..	..	..	..	4,704	
42 A.C.	-	.021	.204	.345 S	..	..	..	..	..	..	4,144	
43 A.	-	.080	.151	.276	.329	.374	.400 S	..	..	..	7,616	
43 B.	-	.015	.098	.243 S	..	..	..	..	..	..	4,032	
43 C.	-	.014	.191	.286	.333	.361	.386	.402	.417 S	..	9,819		
43 D.	-	.036	.158	.256	.323 S	.376	..	..	..	..	6,496	
Honeysuckle	-	.243	.388	.506 S	.558	.604	.634	.670	.689	.700	10,080		
44 A.	Do.	-	-	-	-	-	-	-	-	-	-		
44 B.	Do.	-	-	-	-	-	-	-	-	-	-		
44 C.	Do.	-	-	-	-	-	-	-	-	-	-		
44 D.	Do.	-	-	-	-	-	-	-	-	-	-		
45 A.	Wattle	.250	.388	.479 S	.604	.630	.656	.679	.698	.713	10,080		
45 B.	Do.	.180	.317 S	.509	.542	..	..	..	..	..	5,152	
45 C.	Do.	.166	.262	.389 S	.441	..	..	..	..	..	5,152	
46 D.	-	.115	.282	..	..	..	..	..	..	..	3,285	
29 A.A.	-	.009	.034	.135 S	..	..	..	..	..	..	4,088	
29 A.B.	-	.010	.022	.119 S	..	..	..	..	..	..	3,957	
29 A.C.	-	.009	.023 S	..	..	..	..	..	..	..	2,987	
29 A.D.	-	.008	.014	.157 S	..	..	..	..	..	..	3,659	
33 A.	Grey Box	.025	.117	.274 S	.371	.472	.550	.571	.594	.612	10,080		
33 B.	Do.	.011	.142	.220 S	.338	.439	.503	.538	.575	.602	10,080		
33 C.	Do.	.014	.073	.178	.284 S	.363	.424	.500	.536	.557	10,080		
33 D.	Do.	.012	.028	.100	.192	.263	.311	..	..	..	7,504	
31 C.	-	.008	.015	.048	..	..	..	..	..	..	4,060	
31 C.	-	.013	.254	.438	.512	.559 S	.582	..	..	..	7,784	

TABLE VII.

In this Table the Woods are arranged in the order of their Crushing Weight in a Transverse Direction of their Fibre.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
93 A. B.	Celtis Opaca ? -	New South Wales (N.) -	10,080	2
7 A. B.	Burrana - - -	Do. (N.) -	10,080	2
19 A. B.	Cherry - - -	Do. (N.) -	10,080	2
155 A. B.	Found at Illawarra, Brisbane Water.	Do. (S.) -	10,080	2
139 A.	White Myrtle, Blue Ash, Ash.	Do. (S.) -	10,080	1
49 A. B. C. D.	Stringy Bark, Berrima -	Do. (S.) -	10,080	4
177 A. B. C. D.	Mountain Ash - - -	Do. (S.) -	10,080	4
44 A. B.	Mahogany - - -	Do. (S.) -	10,080	2
125 A. B. C. (D.)	Maiden's Blush, Ladies' Blush.	Do. (S.) -	10,080	3
59 A. B.	Prickly Tea Tree - -	Do. (S.) -	10,080	2
53 A. B. C. D.	Apple Tree - - -	Do. (S.) -	10,080	4
10,421 A. B.	Kyoum-douk - - -	East India - - -	10,080	..
6,545 A. (B.)	Toukatseet - - -	Do. - - -	10,080	1
4,671 A. (B.)	Banbul - - -	Do. - - -	10,080	1
7,517 A. (B.)	Toon - - -	Do. - - -	10,080	1
7,515 A. (B.)	Sakhoo - - -	Do. - - -	10,080	1
11 A. B.	Chucya - - -	British Honduras -	10,080	1
23 A. B.	Yaxnic or Yaxnig - -	Do. - - -	10,080	1
189 A. B. C. D.	Jack Fruit - - -	Jamaica - - -	10,080	4
378 A.	Fig Tree Wild - - -	Do. - - -	10,080	1
324 A. B.	Santa Maria - - -	Do. - - -	10,080	2
22 A. B. C. (D.)	Mahogany - - -	Liberia - - -	10,080	3
7,674 A. B.	Tonk Tsa - - -	East India - - -	10,080	1
6,542 A. B.	Kokoh - - -	Do. - - -	10,080	1
10,354 A. B.	Thingan - - -	Do. - - -	10,080	2
2,490 A. (B.)	Niatoo - - -	Do. - - -	10,080	1
2,488 A. (B.)	Madang Saraya Batoo -	Do. - - -	10,080	1
3,949 A. (B.)	Hurdoo - - -	Do. - - -	10,080	1
3,948 A. (B.)	Siris - - -	Do. - - -	10,080	1
3,952 A. (B.)	Jymungul - - -	Do. - - -	10,080	1
10,226 A. (B.)	Sissou - - -	Do. - - -	10,080	1
10,429 A. (B.)	Momakha - - -	Do. - - -	10,080	1
10,364 A. (B.)	Pinlay-oong - - -	Do. - - -	10,080	1
10,221 A. (B.)	Philibeet - - -	Do. - - -	10,080	1
5,605 A. (B.)	Jack Punsee - - -	Do. - - -	10,080	1
3,956 A. (B.)	Taman - - -	Do. - - -	10,080	1
4,667 A. (B.)	Trosun - - -	Do. - - -	10,080	1
4,670 A. (B.)	Bher - - -	Do. - - -	10,080	1
9,238 A.	- - -	Do. - - -	10,080	1
10,430 A. (B.) C.	Tounbein - - -	Do. - - -	10,080	1
7,665 A. B.	Dhane Eha - - -	Do. - - -	10,080	1
7,090 A. (B.)	Kumpas - - -	Do. - - -	10,080	2
10,422 A. B.	Thanat - - -	Do. - - -	10,080	1
6,547 A. (B.)	Khyong-yook - - -	Do. - - -	10,080	2
108 A. B.	Beech Brush Cherry -	New South Wales (S.) -	10,080	1
43 A. B. C. D.	Swamp Mahogany - -	Do. (S.) -	10,080	2
46 A. B. C. D.	Stringy Bark of Coast -	Do. (S.) -	10,080	4
61 Aa. Ab.	N. O. Myrtaceæ - -	Queensland - - -	10,080	2
56 A. B.	Eugenia marginata - -	Do. - - -	10,080	2
5 Aa. Ab.	She Pine - - -	Do. - - -	10,080	2
99 A. B.	Bean Tree - - -	Do. - - -	10,080	2
5 A. (B.)	She Pine - - -	Do. - - -	10,080	2
56 Aa. Ab.	Eugenia marginata -	Do. - - -	10,080	1
28 Aa. Ab.	Mangrove - - -	Do. - - -	10,080	2
92 Ba. (Bb.)	Anacardiaceæ - - -	Do. - - -	10,080	2
92 A. (B.)	Do. - - -	Do. - - -	10,080	1
28 A. B.	Mangrove - - -	Do. - - -	10,080	1
76 Aa. (Ab.)	Prickly-leaved Tea Tree	Do. - - -	10,080	2
15 Aa. Ab.	Silky Oak - - -	Do. - - -	10,080	1
20 Ba. Bb.	Callhum - - -	Do. - - -	10,080	2
39 A. B.	Sassafras - - -	Do. - - -	10,080	1
37 Aa. Ab.	Capparis Mitchelli -	Do. - - -	10,080	2
76 A. B.	Prickly-leaved Tea Tree	Do. - - -	10,080	2

TABLE VII.—*continued.*

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
35 <i>Ad. Ad.</i>	Cugerie - - -	Queensland - - -	10,080	1
10 <i>Ad. Ad.</i>	Red Cedar - - -	Do. - - -	10,080	2
227 A. B.	Angelin - - -	Trinidad - - -	10,080	2
44 A. B. C. D.	Honeysuckle - - -	Victoria - - -	10,080	1
13 <i>Ad. Ad.</i>	Coast Tea Tree - - -	Do. - - -	10,080	2
36 A. B. C. D.	White Gum Tree - - -	Do. - - -	10,080	4
39 <i>Ad. (Ad. Ad.)</i>	} Spurious Mulberry Tree - - -	Do. - - -	10,080	1
40 A. B. C. (D.)	Coast Honeysuckle - - -	Do. - - -	10,080	3
12 (A. B.) C. (D.)	Honeysuckle - - -	Do. - - -	10,080	1
10 A. B.	Red Cedar - - -	Queensland - - -	9,968	2
5,602 A. (B.)	Abloss or Kandor - - -	East India - - -	9,968	1
23 A. B.	Samak or Sumach, or Divi-dur Bark. - - -	Do. - - -	9,800	2
22 A. B.	Yaxnic - - -	British Honduras - - -	9,860	2
4 A.	Cypress Pine - - -	Queensland - - -	9,744	1
40 A. B.	Cupania, sp. - - -	Do. - - -	9,632	2
43 A. B.	Tamarind Tree - - -	Do. - - -	9,520	2
25 A. B.	Roble Blanco - - -	British Honduras - - -	9,520	1
140 A. B.	Light Wood, Leather Jacket, Coach Wood. - - -	New South Wales (S.) - - -	9,501	2
14 A. B. C. D.	Gully Tree Fern - - -	Victoria - - -	9,499	4
39 <i>Ad. Ad.</i>	Sassafras - - -	Queensland - - -	9,464	2
33 A. B. C. D.	Grey Box Tree - - -	Victoria - - -	9,436	4
319 <i>Ca. Cb.</i>	Section of Cocoa Nut - - -	Jamaica - - -	9,422	2
186 A. B.	Mango - - -	Trinidad - - -	9,380	2
35 A. B.	Undambie - - -	New South Wales (N.) - - -	9,352	2
319 <i>Ad. Ad.</i>	Section of Cocoa Nut - - -	Jamaica - - -	9,296	2
47 A. B. (C.) D.	Rosewood - - -	New South Wales (N.) - - -	9,277	3
16 A. B.	Beef Wood - - -	Queensland - - -	9,240	2
10,380 A. (B.)	Koloh - - -	East India - - -	9,100	1
14 <i>Ad. Ad. Ad.</i>	} Gully Tree Fern - - -	Victoria - - -	8,936	4
8 <i>Ad. Ad.</i>	Shingle Oak - - -	Queensland - - -	8,932	2
76 A. B. C. D.	Black Wattle - - -	Tasmania - - -	8,922	4
341 A.	Iron Wood - - -	Jamaica - - -	8,904	1
10,435 A. B.	Tinyobben - - -	East India - - -	8,890	2
10,393 A. B.	Bambonay - - -	Do. - - -	8,792	2
55 A. B.	Water Gum - - -	New South Wales (S.) - - -	8,764	2
10,476 A. B. C.	Ngoo Tha - - -	East India - - -	8,752	3
16 <i>Ad. Ad.</i>	Beef Wood - - -	Queensland - - -	8,750	2
33 <i>Ad. Ad.</i>	Rosewood - - -	Do. - - -	8,848	2
7,619 A. B.	Ah Nan - - -	East India - - -	8,694	2
10 A. B. C. D.	Box of Illawarra - - -	New South Wales (S.) - - -	8,673	4
2 A. (B.)	Larch - - -	Russia - - -	8,652	1
198 A. B. C. D.	Laurel - - -	Trinidad - - -	8,598	4
102 A. B. C. D.	Flooded Gum - - -	New South Wales (N.) - - -	8,540	4
1 A. B. (C.) D.	Peppermint Tree - - -	Victoria - - -	8,513	3
374 A. (B.) C. D.	Blue Gum - - -	Tasmania - - -	8,512	3
216 A. B. C. D.	Dog Wood - - -	Jamaica - - -	8,446	4
20 A. B.	Blue Gum - - -	New South Wales (S.) - - -	8,400	2
41 A. B.	Cupania Pseudorilius - - -	Queensland - - -	8,400	2
120 A. B.	Tebk Wood - - -	New South Wales (S.) - - -	8,386	2
10,373 A. (B.)	Gnoo-shwoay - - -	East India - - -	8,372	1
59 <i>Ad. Ad.</i>	Myrtus Aemenoide - - -	Queensland - - -	8,372	2
338 A. B. C.	Spanish Elm - - -	Jamaica - - -	8,353	3
248 A. B. C. D.	Cypre - - -	Trinidad - - -	8,316	4
320 A. B.	Yoke Wood - - -	Jamaica - - -	8,288	2
16 A. (B. C.) D.	Desert Cypress Pine - - -	Victoria - - -	8,250	2
212 A. B.	Jamaica Ebony, var. Black Heart. - - -	Jamaica - - -	8,232	2
11 A. B.	Light Yellow Wood - - -	Queensland - - -	8,232	2
26 A. B.	Cherry of the Clarence - - -	New South Wales (N.) - - -	8,232	2
118 A. B.	Acacia sapindoides - - -	Queensland - - -	8,218	2
4 A. B.	Larch - - -	Russia - - -	8,176	2
33 A. B.	Rosewood - - -	Queensland - - -	8,106	2
27 A. B. C. D.	Black Butt Gum - - -	New South Wales (S.) - - -	8,064	4
10,419 A. B.	Tha-khoot-ma - - -	East India - - -	8,022	2
7 A. B. C. D.	Moraballi or Mooraballi - - -	British Guiana - - -	7,982	4
171 A. B. C. D.	White Beech, Beech - - -	New South Wales (S.) - - -	7,973	4
214 A. B. C. D.	Savonette Jaune - - -	Trinidad - - -	7,980	4
52 <i>Ad. Ad.</i>	Hodgkinsonia ovatiflora - - -	Queensland - - -	7,840	2
16 A.	Flooded Gum - - -	New South Wales (S.) - - -	7,840	1
116 A. B.	Acacia, sp. - - -	Queensland - - -	7,826	2

TABLE VII.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
20 <i>Ad. Ad. Ac.</i>	Mahogany - -	Liberia - - -	7,826	4
<i>Ad.</i>	Chicheur - - -	British Honduras - -	7,802	3
(A.) B. C. D.	77 A. B.	Broad-leaved Tea Tree - -	7,798	2
31 A. B. C.	- - -	Victoria - - -	7,784	3
7,077 A. (B.)	Sittola - - -	East India - - -	7,765	1
319 <i>Ea. Eb.</i>	Section of Cocoa Nut - -	Jamaica - - -	7,756	2
42 A. B. C.	Swamp Mahogany - -	New South Wales (S.) -	7,737	3
36 <i>Ad. Ad.</i>	Pseudalangium Tomen- tosum - - -	Queensland - - -	7,728	2
11 <i>Ad. Ad.</i>	Light Yellow Wood - -	Do. - - -	7,703	2
54 <i>Ad. Ad.</i>	Myrtus Argentea - -	Do. - - -	7,700	2
22 A. B. (C.) D.	Woorridii - - -	New South Wales (N.) -	7,678	3
72 A. B. C.	- - -	East India - - -	7,674	3
70 A. B.	Blood Wood - - -	Queensland - - -	7,578	2
376 A. B.	Blood-red Wood, or Black Mahogany. - -	Jamaica - - -	7,560	2
35 A. B.	Ougerie - - -	Queensland - - -	7,560	2
19 A. B. C. D.	Blue Gum of Camden - -	New South Wales (S.) -	7,560	4
10,394 A. B.	Thabyehgio? - - -	East India - - -	7,560	2
12 A. B. C.	True or Yellow Box of Camden. - - -	New South Wales (S.) -	7,560	3
25 A. B. C. (D.)	Urri Burringundie - -	Do. (N.) - - -	7,547	3
6 A. B. C.	Eucalyptus - - -	Victoria - - -	7,532	3
4,665 A. (B.)	Kowah - - -	East India - - -	7,504	1
136 A. B. C. D.	White Maple - - -	New South Wales (S.) -	7,495	4
10,375 A. B.	May-za-lee - - -	East India - - -	7,485	2
9 A. B.	Swamp Oak - - -	Queensland - - -	7,406	2
52 A. B.	Hodgkinsonia ovatiflora -	Do. - - -	7,332	2
17 A. B.	Pobo, found at Richmond and Lismore. - - -	New South Wales (N.) -	7,317	2
60 A. B. C.	Common Tea Tree - -	Do. (S.) - - -	7,317	3
37 A. B. C. D.	Eucalyptus, sp. - -	Do. (S.) - - -	7,308	4
284 A. B.	Tecomastans - - -	Jamaica - - -	7,261	2
3 A. B. C.	Iron Bark - - -	New South Wales (S.) -	7,252	3
5,603 A. (B.)	Assan - - -	East India - - -	7,252	1
62 <i>Ad. Ad.</i>	Box - - -	Queensland - - -	7,252	2
114 A. B.	Celtis, sp. - - -	Do. - - -	7,238	2
14 A. B.	Tastab - - -	British Honduras - -	7,196	2
5 A. B.	Larch - - -	Russia - - -	7,172	2
10,367 A. B.	Boomayza - - -	East India - - -	7,168	2
38 A. B.	Grey Plum - - -	Queensland - - -	7,140	2
154 A. B.	Red Ash, Leather Jacket, Cooper's Woods. - -	New South Wales (S.) -	7,140	2
111 A. B. C. D.	Water Gum - - -	New South Wales (N.) -	7,135	2
55 A. B.	Backhousia citriodora -	Queensland - - -	7,126	2
9 A. B. (C. D.)	- - -	Victoria - - -	7,056	2
104 <i>Ad. Ad.</i>	Found in the Bricklow Scrubs. - - -	Queensland - - -	7,028	2
69 A. B.	Found at Clarence, and Richmond Brush Fo- rest. - - -	New South Wales (N.) -	7,014	2
212 A. B.	Balsam Capivi - - -	Trinidad - - -	7,009	2
57 A. B. C. D.	Hickory - - -	New South Wales (S.) -	7,000	4
21 A. B. C. D.	Blue Gum - - -	Do. (S.) - - -	6,993	4
43 A. B. C. D.	- - -	Victoria - - -	6,990	4
65 A. B.	Red Iron Bark - - -	Queensland - - -	6,972	2
7,677 A. B.	Tseek Tha - - -	East India - - -	6,967	2
236 A. B. C.	South American Acacia -	Jamaica - - -	6,944	3
6 A. B.	Forest Oak - - -	Queensland - - -	6,916	2
8 <i>Ea. Eb. Ec.</i>	Black Wood - - -	Tasmania - - -	6,909	3
116 A. B. C. D.	Blue Gum - - -	Do. - - -	6,874	4
384 A. B. C. D.	Black Mahogany or Blood-red Wood. - -	Jamaica - - -	6,860	4
5 A. B. C. D.	Iron Bark - - -	New South Wales (S.) -	6,839	4
3,953 A. (B.)	Rohnee - - -	East India - - -	6,832	1
1 A. B. C.	Siricote - - -	British Honduras - -	6,785	3
80 A. B.	Bottle Brush Tree - -	Queensland - - -	6,734	2
13 <i>Ad. Ad.</i>	Flindersia bennettiana -	Do. - - -	6,734	2
127 A.	Tamarind Tree - - -	New South Wales (S.) -	6,720	1
3,961 A. (B.)	Mowah - - -	East India - - -	6,720	1
88 A. B.	Found in the Brush Forests on the Cla- rence. - - -	New South Wales (N.) -	6,720	2

TABLE VII.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
10,352 A. B.	Eng - - -	East India - -	6,701	2
53 A. B.	Carissa ovata - -	New South Wales (N.) -	6,692	2
10,382 A. (B.)	Pouktheuma - my - ek-Kyok.	East India - -	6,683	1
5,601 A. (B.)	Burdur - - -	Do. - - -	6,664	1
31 Aa. Ab.	White Cedar - -	Queensland - -	6,664	2
54 A. B.	Turpentine - -	New South Wales (S.) -	6,664	2
4,663 A. B.	Saj - - -	East India - -	6,664	1
75 A. B. C.	Waddy Wood - -	Tasmania - -	6,651	3
29 Aa. Ab.	Lignum Vitæ - -	Queensland - -	6,650	2
10,415 A. (B.)	Khaboung - - -	East India - -	6,608	1
69 Aa. Ab.	Smooth-barked Gum -	Queensland - -	6,608	2
70 Aa. Ab.	Blood Wood - -	Do. - - -	6,608	2
20 Aa. Ab.	Callum - - -	Do. - - -	6,580	2
8 A. B.	Shingle Oak - -	Do. - - -	6,560	2
345 A. B.	Wild Orange - -	Jamaica - -	6,538	2
7 A. B. C.	Wishmore - - -	Liberia - -	6,533	3
89 A. B.	Bursaria spinosa -	Queensland - -	6,533	1
45 A. B.	Clarence and Richmond Brush.	New South Wales (N.) -	6,524	2
351 A.	Musk Wood - - -	Jamaica - - -	6,496	1
332 A. B. C. D.	Hog Berry - - -	Do. - - -	6,489	4
73 Aa. Ab.	Blue Gum - - -	Queensland - -	6,440	2
43 A. B.	Native Orange - -	New South Wales (N.) -	6,440	2
105 A. B.	River or White Oak -	Do. (S.) - -	6,412	2
47 Aa. Ab.	Lime - - -	Queensland - -	6,398	2
4,672 A. B.	Khumee - - -	East India - -	6,384	1
13 A. B.	Flindersia bennettiana -	Queensland - -	6,370	2
121 (Aa.) Ab.	Weeping Myall - -	Do. - - -	6,347	1
102 Aa. Ab.	Ebenaceæ - - -	Do. - - -	6,342	2
369 A. (B.) C. D.	Tea Tree - - -	Tasmania - -	6,340	3
55 Aa. Ab.	Backhousia Citridora -	Queensland - -	6,328	2
10,376 A. (B.)	Yin-dike - - -	East India - -	6,309	1
7,065 A. (B.)	Gaham Bada - - -	Do. - - -	6,304	1
6 Aa. (Ab.)	Forest Oak - - -	Queensland - -	6,272	1
6 A. (B.)	Chucxax - - -	British Honduras -	6,272	1
9 A. B.	Santa Martia - -	Do. - - -	6,272	2
363 A. (B.)	Beech Wood - - -	Jamaica - - -	6,272	1
66 A. B.	Stringy Bark - -	Queensland - -	6,244	2
84 Aa. Ab.	Satiu Wood - - -	Do. - - -	6,244	2
169 A. B. C. D.	Red Wood - - -	Jamaica - - -	6,202	4
8 A. B. C. D.	Black Wood - - -	Tasmania - -	6,164	4
83 Aa. Ab.	Rottlera - - -	Queensland - -	6,160	2
3,951 A. (B.)	Pindra - - -	East India - -	6,160	1
2 A. B. C. D.	Grey Box Tree - -	Victoria - - -	6,160	4
18 A. B. C.	Blue Gum of Coast Districts.	New South Wales (S.) -	6,160	3
61 A. B. C. D.	Hindosa - - -	New South Wales (N.) -	6,146	4
58 A. B.	Mahogany - - -	Liberia - - -	6,146	2
97 A. B. C. D.	White Gum - - -	Tasmania - -	6,125	4
201 (A. B.) C. D.	Laurier Blanc - -	Trinidad - -	6,090	2
54 A. B.	Schmidelia pyriformis -	New South Wales (N.) -	6,094	2
7,234 A. B.	- - -	East India - -	6,062	2
140 (A.) B.	Sandal Wood - -	Do. - - -	6,048	1
3,957 A. (B.)	Tine or Sisso - -	Do. - - -	6,048	1
109 Aa. Ab.	Olive Tree - - -	Queensland - -	6,000	2
17 A. B.	Tulip Tree - - -	Do. - - -	5,992	2
44 A. B.	Tulip Wood - - -	Do. - - -	5,936	2
17 Aa. Bb.	Tulip Tree - - -	Do. - - -	5,936	2
219 A. B. C. (D.)	Tamarind - - -	Trinidad - -	5,917	3
15 A. B. C. D.	Burr Wood - - -	Liberia - - -	5,898	4
221 A. B.	Guatamare - - -	Trinidad - -	5,884	2
16 A. B.	Subin or Cubin - -	British Honduras -	5,861	2
113 (Aa.) Ab.	Mangrove - - -	Queensland - -	5,824	1
40 Aa. Ab.	Cupania, sp. - -	Do. - - -	5,810	2
45 A. B.	Schmidelia pyriformis -	Do. - - -	5,782	2
15 A. B. C. D.	Mora - - -	British Guiana -	5,782	4
74 A. B.	White Myrtle - -	New South Wales (N.) -	5,772	2
42 A. B. C. D.	- - -	Victoria - -	5,751	4
84 A. B.	Marble Wood - -	New South Wales (N.) -	5,740	2
10,427 A. B.	Yemaneh - - -	East India - -	5,693	2
10,478 A. B. C.	Nat Gyeë - - -	Do. - - -	5,690	3
105 A. B.	Barkleya syringefolia -	Queensland - -	5,656	2

TABLE VII.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
20 A. B. C. D.	Cumara or Tonka -	British Guiana -	5,639	4
164 A. B. C. D.	Blood or Iron Wood -	Jamaica -	5,583	4
67 A. B.	Nono Gynandii -	New South Wales (N.) -	5,581	2
84 A. B.	Black Wattle of Illawarra.	Do. (S.) -	5,572	2
121 A. B.	Weeping Myall -	Queensland -	5,572	2
42 Aa. Ab. Ac. Ad.	-	Victoria -	5,558	4
59 A. B.	Myrtus Aemenoide -	Queensland -	5,554	2
75 A. B. C.	Mungkudu -	East India -	5,550	3
109 A. B.	Swamp Mahogany -	New South Wales (N.) -	5,525	2
237 A. B.	Sapodilla -	Trinidad -	5,506	2
25 Aa. Ab.	Cherry -	Queensland -	5,506	2
257 (A.) B. C.	Pui -	Trinidad -	5,002	2
120 (A.) B.	Acacia, sp. -	Queensland -	5,488	1
3 A. (B.)	Larch -	Russia -	5,488	1
10,361 A. B.	Poonyet -	East India -	5,474	2
216 A.	Purple Heart -	Trinidad -	5,451	1
5,606 A. (B.)	Red Sissoo -	East India -	5,432	2
108 Aa. Ab.	Canthium Lamprophyllum.	Queensland -	5,413	1
201 Aa. Ab. (Ac. Ad.)	Laurier Blanc -	Trinidad -	5,390	2
36 A. B.	Tseudalangium Tomen-tosum.	Queensland -	5,385	2
108 A. B.	Canthium Lamprophyllum.	Do. -	5,362	2
1,220 A. B.	Unjun -	East India -	5,348	2
2 A. B.	Cranadilla -	British Honduras -	5,348	2
252 A. B. C.	White Mangrove -	Jamaica -	5,341	3
10,417 A. (B.)	Paet-than -	East India -	5,320	1
23 A. B.	Grey Gum -	New South Wales (S.) -	5,306	2
367 A. B. C. D.	Iron Wood -	Tasmania -	5,278	4
355 A. B.	Black Rosewood -	Jamaica -	5,278	2
18 A. B.	Box Wood -	Liberia -	5,268	2
81 A. B.	Croton Phebalioides, R. B.	Queensland -	5,264	2
5,609 A. (B.)	Keehar -	East India -	5,264	1
16 A. B.	Cherry Wood -	Liberia -	5,259	2
1 A. B. C. D.	White or Pale Iron Bark -	New South Wales (S.) -	5,243	4
31 A. B.	White Cedar -	Queensland -	5,236	2
21 A. B. C. D.	Caoutchouc -	British Honduras -	5,231	4
20 A. B. C.	Ironwood -	Liberia -	5,231	3
6,549 A. (B.)	Titseim -	East India -	5,208	1
7,093 A. (B.)	Gading-gading -	Do. -	5,208	1
18 A. B. C.	Caraba or Crab-wood -	British Guiana -	5,201	3
13 A. B.	Bullet Wood -	British Honduras -	5,194	2
10,482 A. (B.)	Pnne Tha -	East India -	5,189	1
5,606 A. (B.)	Peasal -	Do. -	5,175	1
80 A. B.	-	Do. -	5,156	2
220 A. B.	Casse -	Trinidad -	5,152	2
46 Aa. Ab.	Catha Cunninghami -	Queensland -	5,152	1
6 A. B. C. D.	Red Box -	New South Wales (N.) -	5,119	4
10,477 A. (B.) C.	Kay Yoob -	East India -	5,114	2
8 A. B. C. D.	-	Victoria -	5,103	4
44 Aa. Ab.	Tulip Wood -	Queensland -	5,096	2
88 A. B.	Bursaria ferruginea -	Do. -	5,096	2
45 A. B. C.	Wattle -	Victoria -	5,096	3
24 A. B. C. D.	Ash, Beech, and Flindosa.	New South Wales (N.) -	5,072	4
365 A. B.	Wild Cinnamon -	Jamaica -	5,068	2
4 A. B.	Canasin -	British Honduras -	5,054	2
106 A. B.	Gerjeria Salicifolia -	Queensland -	5,012	2
77 A. B.	Iron Bark of the Clarence.	New South Wales (N.) -	5,002	2
105 Aa. Ab.	Barkleya syringæfolia -	Queensland -	4,984	2
84 A. B.	Satin Wood -	Do. -	4,970	2
29 A. B.	Lignum Vitæ -	Do. -	4,956	2
3 A. B.	Coast Tea Tree -	Victoria -	4,914	2
367 A. B.	White Cedar -	Jamaica -	4,914	2
10 A. B.	Box of Illawarra -	New South Wales (N.) -	4,904	2
49 A. B.	Porviflora -	Queensland -	4,900	2
350 A. B.	Green Heart -	Jamaica -	4,872	2
137 (A.) B.	Wallandum Deyern -	New South Wales (S.) -	4,872	1

TABLE VII.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
218 A. B.	Dog Wood - -	Jamaica - -	4,862	2
10,438 A. B. C.	Nasha - -	East India - -	4,859	3
53 A. B.	Myrtus Trinervis -	Queensland - -	4,852	2
371 A. B. C. D.	White Torch - -	Jamaica - -	4,844	4
89 A. B.	Found in the Brush Forests on the Clarence.	New South Wales (N.) -	4,830	2
40 A. B. C.	Uroobie - -	Do. (N.) -	4,822	3
105 A. B.	Light Yellow Wood -	Do. (N.) -	4,774	2
90 A. B.	N. O. Pittosporaceæ? -	Queensland - -	4,760	2
358 A. B. (C.)	White Rosewood -	Jamaica - -	4,746	2
2 A. B.	White Iron Bark -	New South Wales (S.) -	4,746	2
109 A. B.	Olive Tree - -	Queensland - -	4,741	2
319 Ba. Bb. Bc. Bd.	Section of Cocoa Nut -	Jamaica - -	4,732	4
5 A. B. C. (D.)	Bastard or White Box -	New South Wales (N.) -	4,704	3
339 A. B. C. D.	Naseberry Bullet Tree -	Jamaica - -	4,701	4
21 A. B.	Wootarie - -	New South Wales (N.) -	4,684	2
44 A. B.	Black Myrtle - -	Do. (N.) -	4,676	2
354 A. B.	Sweet Wood - -	Jamaica - -	4,666	2
160 A. B.	White Lance Wood -	Do. - -	4,666	2
15 A. B. C.	Box - -	New South Wales (S.) -	4,634	3
15 A. B. C.	Musk Tree - -	Victoria - -	4,620	3
223 (A.) B. C. D.	Braziletto - -	Jamaica - -	4,620	3
71 A. B.	Swamp Oak - -	New South Wales (N.) -	4,620	2
13 A. B.	Wobul - -	Do. (N.) -	4,592	2
1,215 A. (B.)	Karee - -	East India - -	4,592	1
23 A. B.	Mountain Ash - -	Queensland - -	4,592	1
117 Aa. Ab.	Rosewood - -	Do. - -	4,564	2
7,629 A. B.	Boom Mai Za - -	East India - -	4,564	2
17 A. B. C. D.	Flooded Gum - -	New South Wales (S.) -	4,557	4
13 A. B. C. D.	Bastard Box - -	Do. (S.) -	4,538	4
122 Aa. Ab.	Bricklow - -	Queensland - -	4,536	2
88 Aa. Ab.	Bursaria ferruginea -	Do. - -	4,536	2
4 A. B. C. D.	Wadaduri, or Monkey Nut	British Guiana -	4,533	4
326 A. B.	Red Wood - -	Jamaica - -	4,522	2
30 Aa. Ab.	Beech - -	Queensland - -	4,522	2
10,358 A. B.	Gangan - -	East India - -	4,480	2
5,604 A. (B.)	Gumbaree - -	Do. - -	4,480	1
10,409 A. B.	Htein - -	Do. - -	4,480	2
106 Ca. Cb.	Gerjeria Salicifolia -	Queensland - -	4,452	—
106 Ba. Bb.	Do. - -	Do. - -	4,438	2
8 Aa. Ab.	Black Wood - -	Tasmania - -	4,433	2
577 A. B. C. D.	Blue Gum - -	Do. - -	4,431	4
50 A. B.	Maba Geminata -	Queensland - -	4,424	2
371 A. B. C. D.	Stringy Bark - -	Tasmania - -	4,421	4
14 A. B.	Found near Lismore, near Richmond River.	New South Wales (N.) -	4,414	2
48 A. B. C. D.	Stringy Bark, Camden -	Do. (S.) -	4,410	4
2,345 A. (B.)	Tenasserim Mahogany -	East India - -	4,405	1
210 A. B. C.	Casuarina equisetifolia -	Jamaica - -	4,393	3
18 A. B.	Kaskat - -	British Honduras -	4,368	1
20 A. B.	Callhum - -	Queensland - -	4,368	2
7,524 A. (B.)	Kaitha - -	East India - -	4,368	1
7,520 A. (B.)	- - - -	Do. - -	4,368	1
9,394 A. B. C. D.	Myrtle - -	Tasmania - -	4,354	4
64 A. B.	Broad-leaved Tea Tree -	New South Wales (S.) -	4,340	2
57 A. B.	Iron Wood - -	Queensland - -	4,340	2
70 A. B.	Myrtle - -	New South Wales (S.) -	4,340	2
15 A. B.	Silky Oak - -	Queensland - -	4,326	—
12 D.	Toniphan - -	New South Wales (N.) -	4,312	1
297 A. B. C. D.	Red Heart (? leaf or heart.)	Jamaica - -	4,312	4
68 A. B.	Pine Brush - -	New South Wales (N.) -	4,312	2
23 Aa. Ab.	Mountain Ash - -	Queensland - -	4,298	2
110 Aa. Ab.	Ixora Thozetiana, F.M. -	Do. - -	4,284	2
6 A. B. (C.) D.	Riga Oak - -	Russia - -	4,280	3
11 A. B. C. D.	Broad-leaved Box Tree -	Victoria - -	4,277	4
17 A. B.	Sapodilla - -	British Honduras -	4,256	1
75 Aa. Ab. Ac.	Waddy Wood - -	Tasmania - -	4,256	3
46 A. B.	Catha Cunninghami -	Queensland - -	4,256	2
28 A. B. C. D.	Native Plum - -	New South Wales (N.) -	4,251	4
7 A. B. C.	- - - -	Victoria - -	4,243	3
60 A. B.	Hickory, Lignum Vitæ -	New South Wales (N.) -	4,242	2
62 A. B.	Box - -	Queensland - -	4,214	2

TABLE VII.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
47 A. B.	Lime	Queensland	4,214	2
52 A. B. C. D.	Apple Tree of Coast	New South Wales (S.)	4,200	4
4,661 A. B.	Jiomrassee	East India	4,181	1
10,406 A. B.	Bingah	Do.	4,162	2
104 A. B.	Bitter Bark	New South Wales (N.)	4,158	2
4 A. B.		Victoria	4,144	1
97 A. B.	Sersalisia sericea, R.B.	Queensland	4,144	2
218 A. B. (C.) D.	Nararyillo Amgrillo	Trinidad	4,137	3
28 A. B. C. D.		Victoria	4,137	4
48 A. B.	Cyminosma Oblongifolia	Queensland	4,116	2
558 A. B. C.	Blue Gum	Tasmania	4,113	3
106 A. B.	Iron Wood	New South Wales (N.)	4,106	2
36 A. B.	Larrabee	Do. (N.)	4,088	2
19 A. B.	Light Wood	Queensland	4,088	2
91 A. B.	Crab Tree	Do.	4,060	2
48 Aa. Ab.	Cyminosma Oblongifolia	Do.	4,046	2
81 Aa. Ab.	Croton Pheballoides, R.B.	Do.	4,032	2
5 Aa. Ab. (Ac.)	Mint Tree	Victoria	4,032	2
29 A. B. C. D.		Do.	4,006	4
58 A. B.	Myrtle	Queensland	4,004	2
187 A. B. C. D.	Gommier	Trinidad	4,004	4
122 A. B.	Bricklow	Queensland	4,004	2
34 A. B. C. D.		Victoria	4,004	4
265 A. B.	Red Mangrove	Trinidad	3,976	2
228 A. B.	Yellow Candle Wood	Jamaica	3,957	2
35 A. B. C. D.	Stringy Bark	Victoria	3,934	4
4 A. B. C. D.	Broad-leaved Rough Iron Bark.	New South Wales (S.)	3,923	4
1,214 A. (B.)	Doodhee	East India	3,920	1
10,434 A. (B.)	Theetmin	Do.	3,920	1
7,075 A. (B.)	Jermalang	Do.	3,920	1
262 A. B. C. D.	Olivier	Trinidad	3,910	4
25 A. B.	Cherry	Queensland	3,901	2
5,610 A. (B.)	Koozoom	East India	3,892	1
45 Aa. Ab.	Schmidelia pyriformis	Queensland	3,892	2
63 A. B.	Flintamendosa	New South Wales (N.)	3,882	2
110 (A.) B.	Ixora Thozetiana, F.M.	Queensland	3,864	1
4,666 A. (B.)	Ghattoo	East India	3,864	1
24 A. B.	Broad-leaved Cherry Tree	Queensland	3,864	2
25 A. B. C. D.	Roughed-barked Gum	New South Wales (S.)	3,864	4
117 A. B.	Rosewood	Queensland	3,864	2
10,348 A. B.	Petwood	East India	3,859	2
166 A. B.	Soap-nut Tree (Bois Corticea.)	Trinidad	3,854	3
10,359 A. (B.)	Toung-tha-lay	East India	3,836	1
185 A. B. C. D.	Noyer	Trinidad	3,833	4
10 A. B. C. D.	Woolly Butt	Victoria	3,829	4
155 A. B. C. D.	Tapana	Trinidad	3,822	2
280 A. B. C. D.	Genipa	Do.	3,819	4
58 Aa.	Myrtle	Queensland	3,780	1
30 A. (B.)	Beech	Do.	3,780	1
13 Aa. Ab.	Bastard Box	New South Wales (S.)	3,780	2
4,754 A. B.	Iron Wood	East India	3,775	2
67 A. B.	Spotted Gum	Queensland	3,766	2
24 Aa. Ab.	Broad-leaved Cherry Tree	Do.	3,752	2
11 A. B. C. D.	Bastard Box of Illawarra	New South Wales (S.)	3,752	4
26 C. D.	Spotted or Mottled Gum	Do. (S.)	3,752	2
32 A. B.	Plum Tree	Queensland	3,724	2
7 A. B. C. D.	Narrow-leaved, Smooth, or Red Iron Bark.	New South Wales (S.)	3,724	4
34 A. B.	Dark Yellow Wood	Queensland	3,710	2
10,379 A. (B.)	Padouk	East India	3,696	1
185 A. (B.)	Black Wood	Do.	3,696	1
144 (A.) B.	Bengha	Do.	3,696	1
243 A. B.	Acoma, or Mastic	Trinidad	3,686	2
29 Aa. Ab. Ac.		Victoria	3,672	4
113 A. B.	Mangrove	Queensland	3,658	2
201 A. B. C.	Red Candle Wood	Jamaica	3,646	3
3 A. B. C.	Goorie	New South Wales (N.)	3,645	3
10 Aa. Ab. Ac. (Ad.)	Woolly Butt	Victoria	3,637	3
85 A. B. C.	Peppermint	Tasmania	3,627	3
2,488 A. (B.)	Paunaga	East India	3,621	1

TABLE VII.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
7,527 A. B.	Neem - - -	East India - - -	3,612	1
111 A. B.	Notelcea Longifolia -	Queensland - - -	3,584	2
226 A. B. (C. D.)	Angelin - - -	Trinidad - - -	3,584	2
10,225 A. (B.)	Saul - - -	East India - - -	3,584	1
16 A. B. C. D.	Burneh, Bully, or Bullet Tree.	British Guiana - -	3,572	4
104 A. B. (C.)	- - -	East India - - -	3,564	2
5,600 A. (B.)	Sissoo, Black - - -	Do. - - -	3,556	1
4,668 A. (B.)	Dhowrah - - -	Do. - - -	3,556	1
23 A. B. C. D.	Urta Wimbie - - -	New South Wales (N.) -	3,504	4
372 A. B. C. D.	Blue Gum - - -	Tasmania - - -	3,490	4
10,440 A. (B.)	Baman - - -	East India - - -	3,472	1
372 A. B.	Beef Apple - - -	Jamaica - - -	3,472	2
8 C. D.	Narrow-leaved Iron Bark.	New South Wales (S.) -	3,458	2
270 A. B.	Wild Guava - - -	Trinidad - - -	3,444	2
49 Aa. Ab.	Parviflora - - -	Queensland - - -	3,434	2
80 Aa. Ab.	Bottle Brush Tree -	Do. - - -	3,416	2
103 A. B.	Grey Gum - - -	New South Wales (N.) -	3,398	2
276 A. B.	Guatcare - - -	Trinidad - - -	3,378	2
2 Aa. Ab. Ac. Ad.	Grey Box Tree - - -	Victoria - - -	3,378	4
60 A. B.	Myrtus Australis -	Queensland - - -	3,374	2
8 Ca. Cb. Cc. Cd.	Black Wood - - -	Tasmania - - -	3,374	2
43 Aa. Ab.	Tamarind Tree - - -	Queensland - - -	3,360	4
10,489 A. B.	Kya Ya - - -	East India - - -	3,360	2
65 Aa. Ab.	Red Iron Bark - - -	Queensland - - -	3,346	2
8 A. (B.)	Pimento - - -	British Honduras -	3,332	1
10,399 A. B.	Laizah - - -	East India - - -	3,332	2
73 A. B.	Blue Gum - - -	Queensland - - -	3,332	2
60 Aa.	Myrtus Australis -	Do. - - -	3,320	1
61 A. (B.)	N. O. Myrtaceae - -	Do. - - -	3,304	1
10,491 A. B.	Zangyecoat-doup - -	East India - - -	3,304	2
46 D.	- - -	Victoria - - -	3,285	1
10,485 A. B. C.	Padouk - - -	East India - - -	3,257	3
4,664 A. (B.)	Becjah - - -	Do. - - -	3,248	1
3,955 A. (B.)	Kardahee - - -	Do. - - -	3,248	1
177 A.	Spoke of a Wheel -	New South Wales (S.) -	3,220	1
64 A. B.	Tea Tree - - -	Do. (N.) - - -	3,220	2
103 Aa. Ab.	Gerjeria Salicifolia -	Queensland - - -	3,206	2
93 Aa. Ab.	N. O. Sterculicia -	Do. - - -	3,192	2
19 Aa. Ab.	Light Wood - - -	Do. - - -	3,178	2
10,420 A. (B.)	Than-day - - -	East India - - -	3,173	1
55 Aa. Ab.	Myrtus Trinervis -	Queensland - - -	3,122	2
217 A. B.	Locust - - -	Trinidad - - -	3,098	2
38 Aa. Ab.	Grey Plum - - -	Queensland - - -	3,066	2
19 (A.) B. C.	Cedar - - -	Liberia - - -	3,038	2
21 (A.) B. C. D.	Black Oak - - -	Do. - - -	3,024	3
22 A. B. C. D.	Iron Bark - - -	Victoria - - -	3,012	4
14 A. B. C. D.	Bastard Box - - -	New South Wales (S.) -	2,989	4
2,471 A. (B.)	Kasso - - -	East India - - -	2,987	1
111 Aa. Ab.	Notelcea Longifolia -	Queensland - - -	2,968	2
47 A. (B.)	Stringy Bark, Appin -	New South Wales (S.) -	2,968	1
51 A. B.	Cargillia australis -	Queensland - - -	2,968	2
7,622 A. B. C. D.	Oak An - - -	East India - - -	2,958	3
104 A. B.	Found in the Bucklow Scrubs.	Queensland - - -	2,921	2
4,660 A. (B.)	Surreye - - -	East India - - -	2,912	1
38 A. B. C. D.	Native Cherry Tree -	Victoria - - -	2,905	4
79 A. B.	Common Tea Tree -	Queensland - - -	2,893	2
290 A. B. C. D.	Laurier Canelle - -	Trinidad - - -	2,891	4
63 Aa. Ab.	Black Iron Wood - -	Queensland - - -	2,884	2
5,597 A. (B.)	Guringa - - -	East India - - -	2,828	1
3,950 A. (B.)	Kaim - - -	Do. - - -	2,800	1
147 A. (B.)	Terwah - - -	Do. - - -	2,800	1
10,475 A. B.	Manu Auka - - -	Do. - - -	2,790	2
11 A. B. C.	Black Gum - - -	Liberia - - -	2,787	3
32 Aa. Ab.	Plum Tree - - -	Queensland - - -	2,786	2
40 A. B. C. D.	Messmate - - -	New South Wales (S.) -	2,765	4
72 A. B.	Woolly Butt - - -	Queensland - - -	2,758	2
38 A. B. C. D.	Grey Gum from Brisbane Water.	New South Wales (S.) -	2,744	4
1 A. (B.)	Bogum-bogum - - -	Do. (N.) - - -	2,744	1
5,599 A. (B.)	Teak Sagoon - - -	East India - - -	2,725	1
267 A. B. C. D.	White Bully Tree -	Jamaica - - -	2,716	4

TABLE VII.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
4,659 A. (B.)	Doodheea Sagoon	East India	2,716	1
169 A. B. C. D.	Paraman	Trinidad	2,709	4
4,662 A. B.	Dhengum	East India	2,688	1
10,390 A. B.	Htougkyan	Do.	2,680	2
12 Aa. Ab.	Flindosa	Queensland	2,660	2
69 A. B.	Smooth-barked Gum	Do.	2,660	2
7,581 A. B.		East India	2,651	1
86 A. B.	Woodupar	Do.	2,646	2
54 A. B.	Myrtus Argentea	Queensland	2,646	2
10,388 A. B.	Pangah	East India	2,632	2
30 A. B. C.		Do.	2,613	3
115 A. B.	Acacia, sp.	Queensland	2,604	2
68 Aa. Ab.	Turpentine Tree	Do.	2,590	2
15 A. B.	Mabinjuh or Mabinjuh	British Honduras	2,576	1
10,384 A. (B.)	Thitsee	East India	2,576	1
7,089 A. B.	Bintaling	Do.	2,576	1
206 A. B. C. (D.)	Bois de Fer	Trinidad	2,548	3
64 A. B.	Grey Iron Bark	Queensland	2,534	2
114 A. B.	Brush Iron Bark	New South Wales (N.)	2,520	2
328 A. B.	Black Bullet Tree	Jamaica	2,506	2
27 A. B. C.	Native Tamarind	New South Wales (N.)	2,482	3
373 A. B. C. D.	Stringy Bark	Tasmania	2,471	4
4,657 A. (B.)	Seba Sagoon, Teak	East India	2,464	1
94 A. (B.)	Silver Tree	Queensland	2,464	1
67 Aa. Ab.	Spotted Gum	Do.	2,450	2
10 A. B. C.	Cedar	Liberia	2,445	3
72 Aa. Ab.	Woolly Butt	Queensland	2,436	1
64 Aa. Ab.	Grey Iron Bark	Do.	2,436	1
7,071 A. (B.)	Murbow	East India	2,352	1
5,608 A. (B.)	Koozoom	Do.	2,352	1
63 A. B.	Black Iron Wood	Queensland	2,352	2
83 A. B.	Rottlera	Do.	2,352	2
99 Aa. (Ab.)	Bean Tree	Do.	2,352	1
12 A. B.	Flindosa	Do.	2,342	2
66 A. B.	Bastard Myall	New South Wales (N.)	2,338	2
51 A. B. (C.) D.	Pencil Cedar	Do. (N.)	2,333	3
66 Aa. Ab.	Stringy Bark	Queensland	2,324	2
14 A. B. C. D.	Houbaballi	British Guiana	2,310	4
373 Ca. (Cb.) Cc.	Stringy Bark	Tasmania	2,296	2
222 A. B. C. D.	Bois Mulatre	Trinidad	2,247	4
7,067 A. (B.)	Bia-babi	East India	2,203	1
17 A. B.	Brimstone	Liberia	2,188	2
10,386 A. (B.)	Nabhay	East India	2,184	1
10,410 A. (B.)	Htengalah	Do.	2,184	1
4,658 A. (B.)	Putteereca Sagoon	Do.	2,165	1
10,356 A. B.	Engyin	Do.	2,146	2
102 A. B.	Ebenaceae	Queensland	2,144	2
93 A. B.	N. O. Sterculicia	Do.	2,142	2
6,550 A. B.	Pangah	East India	2,128	1
112 Aa. Ab.	N. O. Capparidaceae	Queensland	2,128	2
10,362 A. B.	Gojo	East India	2,128	2
10,357 A. (B.)	Theya	Do.	2,128	1
7,514 A. B.	Sakhoo	Do.	2,128	2
68 A. B.	Turpentine Tree	Queensland	2,114	2
10,397 A. (B.)	Thabyehgab	East India	2,091	1
168 A. B. C. D.	Surette	Trinidad	2,090	4
171 A. B. C. D.	Galba	Do.	2,072	4
71 Aa.	Swamp Mahogany	Queensland	2,072	1
71 A. B.	Do.	Do.	2,067	2
123 A. B.	Acacia	Do.	2,058	2
50 Aa. Ab.	Maba Geminata	Do.	2,044	2
4 A. B.	Gulgis	New South Wales (N.)	2,044	2
86 A. (B.)		Queensland	2,044	1
24 A. B.	Woolly Butt of Illawarra	New South Wales (S.)	2,044	2
79 Aa. (Ab.)	Common Tea Tree	Queensland	2,016	1
10,426 A. B. C.	Kuyon Teak	East India	2,012	3
196 A. B.	Beef Wood	Trinidad	1,988	2
6,551 A. (B.)	Lein	East India	1,988	1
2,474 A. (B.)	Brombong	Do.	1,960	1
10,355 A. B.	Thurgadoe	Do.	1,946	2
5,598 A. (B.)	Sal	Do.	1,932	1
5 A. (B.)	Kakaralli	British Guiana	1,904	1
2,465 A. (B.)	Marabow	East India	1,848	1
6,548 A. (B.)	Nabhay	Do.	1,829	1

TABLE VII.—continued.

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
29 A. (B. C.)	Hitchia - - -	British Guiana - -	1,792	1
207 A. B. C. D.	Cauto - - -	Trinidad - -	1,715	4
7,086 A. (B.)	Dammer-laut - -	East India - -	1,680	1
373 Aa. Ab. Ac.	Stringy Bark - -	Tasmania - -	1,593	4
Ad.	River Oak - - -	Queensland - -	1,568	1
10,416 A. B.	Toung-za-lat - -	East India - -	1,512	2
118 Aa. Ab.	Acacia sapindoides - -	Queensland - -	1,502	2
3,954 A. (B.)	Londya - - -	East India - -	1,456	1
10,405 A. B.	Hnan - - -	Do. - -	1,400	2
7,618 A. B.	Thin Gan - - -	Do. - -	1,381	2
10,349 (A.) B.	Dwa Nee - - -	Do. - -	1,344	1
2,493 A. (B.)	Klay Dang - - -	Do. - -	1,232	1
2,470 A. (B.)	Klat Mera - - -	Do. - -	1,232	1
2,476 A. (B.)	Marsawa - - -	Do. - -	1,204	1
9,239 A. (B.)	Bayang Bada - -	Do. - -	1,008	1
7,072 A. (B.)	Klat - - -	Do. - -	928	1
97 Aa. Ab.	Leichhardt's Wood - -	Queensland - -	784	2
87 (A.) B.	Pinus Piceæ - -	Do. - -	635	1
24 A. B.	Do. - - -	Austria. - -	..	..
21 A. B. C.	Do. - - -	Do. - -	..	..
24 Aa.	Do. - - -	Do. - -	..	..
22 A. B. C. D.	Do. - - -	Do. - -	..	..
24 Ba.	Do. - - -	Do. - -	..	..
20 A. B. C. D.	Pinus Piceæ - -	Do. - -	..	..
26 Aa. Ab. Ac.	Green Heart - -	British Guiana. - -	..	..
Ad.	Sipiri or Green Heart - -	Do. - -	..	..
26 A. B. C. D.	Pasak - - -	British Honduras. - -	..	..
10 A. B.	Satin Wood - - -	Ceylon. - -	..	..
4 A.	Saminig - - -	Do. - -	..	..
3 A.	Halmolili - - -	Do. - -	..	..
1 A.	Iron or Beef Wood - -	Do. - -	..	..
2 A.	Arar - - -	East India. - -	..	..
7,522 A. B.	Asna or Asan - - -	Do. - -	..	..
7,529 A. B.	Jurai - - -	Do. - -	..	..
7,064 A. B.	- - -	Do. - -	..	..
9,247 A. B.	- - -	Do. - -	..	..
7,066 A. B.	Rungas - - -	Do. - -	..	..
7,070 A. B.	Bahkoh - - -	Do. - -	..	..
2,462 A. B.	Balow - - -	Do. - -	..	..
10,465 A. B.	Dedoup Tha - - -	Do. - -	..	..
9,240 A. B.	Brangan - - -	Do. - -	..	..
6,544 A. B.	Pouktheuma - my - ek-Kyounk. - -	Do. - -	..	..
2,462 A. B.	Balow - - -	Do. - -	..	..
1,771 A. B.	Toon - - -	Do. - -	..	..
1,219 A. B.	Do. - - -	Do. - -	..	..
145 A.	Bon - - -	Do. - -	..	..
1,772 A. B.	Chump - - -	Do. - -	..	..
10,366 A. B.	Yimma - - -	Do. - -	..	..
7,092 A. B.	Madang Serai - -	Do. - -	..	..
7,525 A. B.	Aum - - -	Do. - -	..	..
14 A. B. C. D.	Carpinus betulus - -	Hungary. - -	..	..
9 A. B. C. D.	Quercus robur - -	Do. - -	..	..
2 A. B. C. D.	Sorbus terminalis - -	Do. - -	..	..
3 A. B. C. D.	- - -	Do. - -	..	..
13 A. B. C. D.	Quercus - - -	Do. - -	..	..
26 A. B.	- - -	Do. - -	..	..
17 A. B. C.	Fagus sylvatica - -	Do. - -	..	..
25 A. B. C. D.	- - -	Do. - -	..	..
11 A. B.	Pyrus malus - - -	Do. - -	..	..
10 A. B. C. D.	- - -	Do. - -	..	..
8 A. B. C. D.	Betula alba - - -	Do. - -	..	..
5 A. B. C. D.	- - -	Do. - -	..	..
4 A. B. C. D.	Fraxinus excelsior - -	Do. - -	..	..
7 A. B. C. D.	Acer pseudo-platanus - -	Do. - -	..	..
1 A. B. C. D.	Acer platanoides - -	Do. - -	..	..
6 A. B. C. D.	Acer pseudo-platanus - -	Do. - -	..	..
27 A. B. C.	- - -	Do. - -	..	..
28 A. B.	- - -	Do. - -	..	..
16 A. B.	Salix viminalis - -	Do. - -	..	..
15 A. B.	Salix caprea - - -	Do. - -	..	Average of experiments.

TABLE VII.—*continued.*

No. of Specimen.	Name.	Colony.	Mean Crushing Weight in lbs.	No. of Experiments.
208 A. B. C. D.	Cauto - - -	Jamaica.	..	..
407 A.	Star Apple - - -	Do.	..	..
312 A. B. C.	Juniper Cedar - - -	Do.	..	..
343 A. B. C.	Casapa Wood - - -	Do.	..	..
329 A. B. C.	Galla Pear - - -	Do.	..	..
8 A. B.	Iron Bark - - -	New South Wales, Hunter's River.	..	..
1 A.	Blue Gum - - -	Do.	..	..
5 A. B.	Iron Bark - - -	Do.	..	..
7 Aa.	Tea Tree - - -	Do.	..	..
9 A.	Blue Gum - - -	Do.	..	..
7 A.	Tea Tree - - -	Do.	..	..
3 A.	Grey Gum - - -	Do.	..	..
6 A.	Mahogany - - -	Do.	..	..
9 A.	Pine - - -	Do.	..	..
2 A. B.	Goorie? - - -	New South Wales (N.)	..	..
9 A. B.	- - -	Do. (N.)	..	..
8 A. B.	Coorong Cypress Pine - - -	Do. (N.)	..	..
176-16?	Polai Cedar - - -	Do. (S.)	..	..
100	- - -	Queensland - - -	- - -	No experiment.
37 A. B.	Capparis Mitchelli - - -	Do.	..	..
95 A. B.	- - -	Do.	..	..
14 A. B.	Plindersia selwiniana - - -	Do.	..	..
100 Aa. Ab.	Ebenaceæ - - -	Do.	..	..
92 Aa. Ab.	Anacardiaceæ - - -	Do.	..	..
18 A. B.	Aralia Elegans - - -	Do.	..	..
21 A. B.	Cabbage Tree - - -	Do.	..	..
112 A. B.	Capparidaceæ - - -	Do.	..	..
1 A. B.	Bunya Bunya - - -	Do.	..	..
114 Aa. Ab.	Celtis, sp. - - -	Do.	..	..
1 Aa. Ab.	Bunya Bunya - - -	Do.	..	..
2 A. B.	Moreton Bay - - -	Do.	..	..
2 Aa. Ab.	Moreton Bay Pine - - -	Do.	..	..
101	- - -	Do. - - -	- - -	No experiments.
1 A. B. C. D.	Riga Fir - - -	Russia.	..	..
67 A. B. C.	Sassafras - - -	Tasmania.	..	..
363 A. B. C. D.	Gum Topped Stringy Bark or White Gum. - - -	Do.	..	..
102 A. B. C. D.	Silver Wattle - - -	Do.	..	..
364 A. B.	Peppermint - - -	Do.	..	..
556 A. B. C.	Blue Gum - - -	Do.	..	..
180 B. C. D.	Crab Tree - - -	Trinidad.	..	..
163 A.	Thespesia populnea - - -	Do.	..	..
167 A. B. C.	Cacapoule - - -	Do.	..	..
270 Aa. Ab. Ac. Ad.	Wild Guava - - -	Do.	..	..
158 A. B. C. D.	Garlick Pear - - -	Do.	..	..
162 A. B.	Mahoe - - -	Do.	..	..
263 A. B. C. D.	Cauto - - -	Do.	..	..
265 A. B. C. D.	Canturo - - -	Do. - - -	- - -	No experiment.
39 A. B. C. D.	Spurious Mulberry Tree	Victoria.	..	..

TABLE VIII.

EXPERIMENTS for ASCERTAINING the RECOVERY from DEFLECTION
on the REMOVAL of the STRAIN at every 1,120 lbs.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
AUSTRIA.					
	No experiments.				
BRITISH GUIANA.					
5 A.	Kakaralli	2,240	·091	·018	·073
7 B.	Moraballi or Mooraballi	2,240	·110	·056	·054
7 C.	Do.	3,360	·168	·073	·095
7 D.	Do.	2,240	·064	·001	·063
14 A.	Houbaballi	2,240	·159	·035	·124
14 C.	Do.	2,240	·131	·071	·060
15 B.	Mora	2,240	·060	·006	·054
15 C.	Do.	4,480	·178	·052	·146
15 D.	Do.	2,240	·073	·022	·051
16 A.	Burneh, Bully, or Bullet Tree	2,240	·066	·034	·032
16 B.	Do.	4,480	·119	·033	·086
16 C.	Do.	6,720	·201	·046	·155
16 D.	Do.	2,240	·046	·004	·042
16 Aa.	Do.	4,480	·090	·010	·080
16 Ab.	Do.	6,720	·155	·024	·131
18 A.	Caraba or Crab Wood	2,240	·081	·079	·002
18 C.	Do.	2,240	·118	·002	·116
20 A.	Cumara or Tonka	2,240	·054	·001	·053
20 B.	Do.	4,480	·096	·010	·086
26 B.	Do.	2,240	·058	·0	·058
26 B.	Do.	3,360	·074	·0	·074
26 B.	Do.	4,480	·097	·001	·096
26 B.	Do.	5,600	·129	·004	·125
26 B.	Do.	2,240	·059	·022	·037
26 Ac.	Greenheart	4,480	·117	·037	·080
26 Ac.	Do.	6,720	·181	·050	·131
26 Ac.	Do.	3,360	·201	·032	·169
29 A.	Hitchia	2,240	·130	·040	·090
29 B.	Do.	3,360	·260	·085	·175
BRITISH HONDURAS.					
1 A.	Siricote	2,240	·079	·0	·079
1 A.	Do.	3,360	·116	·003	·113
1 A.	Do.	4,480	·182	·014	·168
1 C.	Do.	2,240	·116	·006	·110
1 C.	Do.	3,360	·214	·034	·180
2 A.	Cranadilla	2,240	·082	·003	·079
2 A.	Do.	3,360	·103	·006	·097
2 A.	Do.	4,480	·142	·008	·134
2 A.	Do.	5,600	·179	·017	·162
2 B.	Do.	6,720	·214	·024	·190
3 A.	Chichem	2,240	·171	·030	·141
3 B.	Do.	2,240	·107	·0	·107
3 B.	Do.	3,360	·178	·038	·149
3 C.	Do.	2,240	·098	·012	·086
3 C.	Do.	3,360	·146	·023	·123
4 A.	Canasin	2,240	·058	·0	·058
4 A.	Do.	3,360	·075	·0	·075
4 A.	Do.	4,480	·093	·002	·091
4 A.	Do.	5,600	·120	·006	·114
4 A.	Do.	6,720	·146	·014	·132
4 A.	Do.	7,840	·188	·022	·166
4 A.	Do.	8,960	·269	·033	·236
6 A.	Chucxax	2,240	·084	·006	·078
6 A.	Do.	3,360	·123	·017	·106
6 A.	Do.	4,480	·194	·020	·174
8 A.	Pimento	2,240	·080	·004	·076
8 A.	Do.	3,360	·108	·010	·098
8 A.	Do.	4,480	·150	·020	·130

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
BRITISH HONDURAS.					
11 A.	Chucya	2,240	·088	·0	·088
11 A.	Do.	3,360	·130	·014	·116
11 A.	Do.	4,480	·201	·026	·175
11 A.	Do.	2,240	·068	·0	·068
13 A.	Bullet Wood	3,360	·093	·001	·092
13 A.	Do.	4,480	·118	·007	·111
13 A.	Do.	5,600	·166	·018	·148
13 A.	Do.	6,720	·262	·033	·229
13 B.	Do.	2,240	·079	·001	·078
14 A.	Tastab	3,360	·112	·016	·096
14 A.	Do.	4,480	·127	·028	·099
14 A.	Do.	5,600	·290	·050	·240
14 A.	Do.	2,240	·071	·0	·071
15 A.	Mabinjuh or Mabinjuj	3,360	·107	·004	·103
15 A.	Do.	4,480	·164	·015	·149
15 A.	Do.	2,240	·087	·004	·083
16 A.	Subin or Cubin	3,360	·138	·019	·119
16 A.	Do.	4,480	·242	·048	·194
16 A.	Do.	2,240	·086	·004	·082
17 A.	Sapodilla	3,360	·120	·010	·110
17 A.	Do.	4,480	·196	·028	·168
17 A.	Do.	2,240	·117	·0	·117
18 A.	Kas Kat	3,360	·233	·035	·198
18 A.	Do.	2,240	·087	·002	·085
21 A.	Caoutchouc	3,360	·115	·008	·107
21 A.	Do.	4,480	·146	·010	·136
21 A.	Do.	5,600	·186	·012	·174
21 A.	Do.	6,720	·242	·028	·214
21 A.	Do.	7,840	·277	·034	·243
21 B.	Do.	2,240	·090	·0	·090
21 C.	Do.	3,360	·117	·004	·113
21 C.	Do.	4,480	·156	·014	·142
21 C.	Do.	5,600	·222	·029	·193
21 C.	Do.	2,240	·178	·030	·148
22 C.	Yaxnic	2,240	·106	·013	·093
23 A.	Yaxnic or Yaxnig	3,360	·203	·035	·168
23 A.	Do.	2,240	·102	·002	·100
25 A.	Roble Blanco	3,360	·160	·022	·138
25 A.	Do.	4,480	·294	·042	·252
CEYLON.					
	No experiments.				
EAST INDIA.					
23 A.	Samak or Sumach	2,240	·132	·017	·115
30 B.	-	2,240	·071	·009	·062
30 B.	-	4,480	·180	·031	·149
30 C.	-	2,240	·090	·009	·081
30 C.	-	3,360	·128	·012	·116
30 C.	-	4,480	·180	·024	·156
72 B.	-	2,240	·167	·027	·140
72 C.	-	2,240	·170	·029	·141
80 A.	-	2,240	·065	·0	·065
80 A.	-	3,360	·090	·004	·086
80 A.	-	4,480	·127	·010	·117
86 B.	Woodunpas	2,240	·112	·034	·078
104 A.	-	2,240	·070	·003	·067
104 A.	-	4,480	·146	·016	·130
104 C.	-	2,240	·073	·004	·069
104 C.	-	3,360	·103	·008	·095
104 C.	-	4,480	·142	·011	·131
104 C.	-	5,600	·213	·022	·191
140 A.	Sandal Wood	2,240	·077	·009	·068
140 A.	Do.	4,480	·135	·014	·121
144 A.	Bengha	2,240	·086	·013	·073
145 A.	Bou	2,240	·090	·013	·077
147 A.	Terruvah	2,240	·070	·010	·060
147 A.	Do.	3,360	·100	·012	·088

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
EAST INDIA.					
147 A.	Terruvah	4,480	.133	.016	.117
147 A.	Do.	5,600	.176	.024	.152
185 A.	Blackwood	2,240	.086	.015	.071
185 A.	Do.	3,360	.117	.017	.100
185 A.	Do.	4,480	.153	.023	.130
1,214 A.	Doodhee	2,240	.159	.032	.127
1,215 A.	Karee	2,240	.142	.020	.122
1,219 A.	Toon	2,240	.157	.030	.127
1,220 A.	Unjun	2,240	.116	.008	.108
1,220 A.	Do.	4,480	.216	.021	.195
1,772 A.	Chump	2,240	.148	.042	.106
2,345 A.	Tenasserim Mahogany	2,240	.071	.017	.054
2,345 A.	Do.	3,360	—	—	—
2,345 A.	Do.	4,480	.123	.024	.099
2,345 A.	Do.	5,600	—	—	—
2,345 A.	Do.	6,720	.227	.048	.179
2,462 B.	Balay	2,240	.064	.018	.046
2,462 B.	Do.	3,360	—	—	—
2,462 B.	Do.	4,480	.109	.022	.087
2,462 B.	Do.	5,600	—	—	—
2,462 B.	Do.	6,720	.187	.028	.159
2,465 A.	Marabow	2,240	.075	.008	.067
2,465 A.	Do.	3,360	.104	.010	.094
2,468 A.	Pannaya	2,240	.045	.006	.039
2,468 A.	Do.	3,360	.068	.009	.059
2,468 A.	Do.	4,480	.079	.010	.069
2,468 A.	Do.	5,600	.094	.011	.083
2,468 A.	Do.	6,720	.115	.011	.104
2,468 A.	Do.	7,840	.140	.016	.124
2,468 A.	Do.	2,240	.076	.020	.056
2,470 A.	Klat Mera	2,240	.048	.012	.036
2,471 A.	Kasso	2,240	—	—	—
2,471 A.	Do.	3,360	—	—	—
2,471 A.	Do.	4,480	.079	.017	.062
2,471 A.	Do.	5,600	—	—	—
2,471 A.	Do.	6,720	.133	.025	.108
2,474 A.	Brombony	2,240	.078	.010	.068
2,474 A.	Do.	3,360	.109	.014	.095
2,474 A.	Do.	4,480	.156	.023	.133
2,474 A.	Do.	2,240	.123	.062	.061
2,476 A.	Marsawa	2,240	.074	.015	.059
2,493 A.	Klaydang	2,240	.186	.040	.146
2,493 A.	Do.	4,480	.138	.008	.130
3,948 A.	Siris	2,240	.117	.015	.102
3,949 A.	Hurdoo	2,240	.150	.034	.116
3,950 A.	Kaim	2,240	.148	.011	.137
3,951 A.	Pindra	2,240	.091	.018	.073
3,952 A.	Jymungul	2,240	.212	.044	.168
3,952 A.	Do.	4,480	.143	.010	.133
3,953 A.	Rohnee	2,240	.203	.027	.176
3,953 A.	Do.	4,480	.330	.054	.276
3,953 A.	Do.	2,240	.142	.055	.087
3,954 A.	Londya	2,240	.117	.023	.094
3,955 A.	Kardahee	2,240	.111	.021	.090
3,956 A.	Taman	2,240	.118	.025	.093
3,957 A.	Tine, or Sissoo	2,240	.097	.024	.073
3,961 A.	Mowah	2,240	—	—	—
3,961 A.	Do.	3,360	—	—	—
3,961 A.	Do.	4,480	.256	.075	.181
4,657 A.	Seba Sagoon, Teak	2,240	.125	.006	.119
4,659 A.	Doodheea Sagoon	2,240	—	—	—
4,659 A.	Do.	3,360	.179	.016	.163
4,660 A.	Surrye	2,240	.088	.013	.075
4,660 A.	Do.	3,360	—	—	—
4,660 A.	Do.	4,480	.205	.032	.173
4,661 A.	Jiomrassee	2,240	.082	.011	.071
4,661 A.	Do.	3,360	.181	.024	.107
4,662 A.	Dhengun	2,240	.089	.013	.076
4,662 A.	Do.	3,360	.139	.020	.119
4,662 A.	Do.	4,480	.240	.051	.189
4,662 A.	Do.	2,240	.191	.038	.153
4,663 A.	Saj	2,240	.085	.015	.070
4,664 A.	Beejah	2,240	.117	.015	.102
4,664 A.	Do.	3,360	.166	.031	.135
4,664 A.	Do.	4,480	—	—	—

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
EAST INDIA.					
4,665 A.	Kowah	2,240	·103	·018	·085
4,665 A.	Do.	3,360	·179	·039	·140
4,665 A.	Do.	4,480	·347	·105	·242
4,666 A.	Ghattoo	2,240	·094	·007	·087
4,667 A.	Trosum	2,240	·145	·019	·126
4,668 A.	Dhowrah	2,240	·073	·008	·065
4,668 A.	Do.	3,360	—	—	—
4,668 A.	Do.	4,480	·142	·019	·123
4,668 A.	Do.	2,240	·074	0	·074
4,671 A.	Baubul	3,360	·106	·001	·105
4,671 A.	Do.	4,480	·156	·015	·141
4,671 A.	Do.	2,240	·182	·037	·145
4,672 A.	Khumee	2,240	·053	·006	·047
4,754 A.	Iron Wood	3,360	—	—	—
4,754 A.	Do.	4,480	·094	·010	·084
4,754 A.	Do.	5,600	—	—	—
4,754 A.	Do.	6,720	·142	·011	·131
5,009 A.	Do.	2,240	·070	·014	·056
5,009 A.	Keehar	3,360	—	—	—
5,009 A.	Do.	4,480	·154	·027	·127
5,009 A.	Do.	2,240	·116	·019	·097
5,597 A.	Guringa	2,240	·064	·011	·053
5,598 A.	Säl	3,360	·090	·014	·076
5,598 A.	Do.	4,480	·118	·018	·100
5,598 A.	Do.	5,600	·173	·031	·142
5,598 A.	Do.	6,720	·338	·087	·251
5,599 A.	Do.	2,240	·116	·045	·071
5,599 A.	Teak Sagoon	3,360	·195	·057	·138
5,599 A.	Do.	2,240	·068	·005	·063
5,600 A.	Sissoo, Black	3,360	·096	·007	·089
5,600 A.	Do.	4,480	·123	·011	·112
5,600 A.	Do.	5,600	·151	·018	·133
5,600 A.	Do.	6,720	·238	·040	·198
5,601 A.	Do.	2,240	·074	·014	·060
5,601 A.	Burdur	3,360	—	—	—
5,601 A.	Do.	4,480	·166	·029	·137
5,601 A.	Do.	2,240	·088	0	·088
5,602 A.	Abloos, or Kándoo	3,360	·133	·009	·124
5,602 A.	Do.	4,480	·199	·031	·168
5,602 A.	Do.	2,240	·228	·050	·178
5,603 A.	Do.	2,240	·134	·035	·099
5,604 A.	Gumbaree	3,360	·245	·065	·180
5,604 A.	Do.	2,240	·076	·018	·058
5,605 A.	Red Sissoo	3,360	—	—	—
5,606 A.	Do.	4,480	·152	·026	·126
5,606 A.	Do.	2,240	·085	·050	·095
5,607 A.	Peasal	3,360	·169	·063	·106
5,607 A.	Do.	4,480	·195	·077	·118
5,607 A.	Do.	2,240	·097	·016	·081
5,608 A.	Koozoona	2,240	·070	·014	·056
5,609 A.	Keehar	3,360	—	—	—
5,609 A.	Do.	4,480	·154	·027	·127
5,609 A.	Do.	2,240	·100	·008	·092
5,610 A.	Koozoom	3,360	—	—	—
5,610 A.	Do.	4,480	·200	·032	·168
5,610 A.	Do.	2,240	·079	·005	·074
6,542 A.	Assân	3,360	·124	·015	·109
6,542 A.	Do.	4,480	·227	·059	·168
6,542 A.	Do.	2,240	·168	·038	·130
6,545 A.	-	2,240	·110	·022	·089
6,547 A.	-	2,240	·085	·022	·063
6,548 A.	-	3,360	·164	·034	·130
6,549 A.	-	2,240	·181	·022	·159
6,550 A.	-	2,240	·086	·003	·083
6,550 A.	-	3,360	·145	·015	·130
6,551 A.	-	2,240	·107	·023	·084
7,065 A.	Gaham Bada	2,240	·113	·002	·111
7,065 A.	Do.	3,360	·178	·015	·163
7,065 A.	Do.	4,480	·305	·044	·259
7,066 A.	Rungas	2,240	·111	·007	·104
7,066 A.	Do.	3,360	·172	·020	·152
7,067 A.	Bia Babi	2,240	·065	0	·065
7,067 A.	Do.	3,360	·100	·001	·099

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
EAST INDIA.					
7,067 A.	Bia Babi	4,480	·157	·010	·147
7,067 A.	Do.	5,600	·260	·035	·225
7,071 A.	Murbow	2,240	·063	·0	·063
7,071 A.	Do.	3,360	·096	·0	·096
7,072 A.	Klat	2,240	·092	·009	·083
7,072 A.	Do.	3,360	·169	·026	·143
7,072 A.	Do.	2,240	·127	·002	·125
7,075 A.	Jermalang	2,240	·176	·025	·151
7,077 A.	Sittola	2,240	·069	·0	·069
7,086	Dammer-laut	3,360	·091	·0	·091
7,086	Do.	4,480	·135	·010	·125
7,086	Do.	5,600	·235	·036	·199
7,086	Do.	2,240	·066	·0	·066
7,089 A.	Bintaling	2,240	·091	·006	·085
7,089 A.	Do.	3,360	·064	·004	·060
7,090 A.	Kumpas	2,240	·110	·020	·090
7,090 A.	Do.	3,360	·261	·063	·193
7,090 A.	Do.	4,480	·086	·005	·081
7,092 A.	Madang-Serai	2,240	·070	·017	·137
7,092 A.	Do.	3,360	·154	·0	·070
7,093 A.	Gading-gading	2,240	·090	·0	·090
7,093 A.	Do.	3,360	·090	·007	·106
7,093 A.	Do.	4,480	·113	·015	·133
7,093 A.	Do.	5,600	·148	·032	·184
7,093 A.	Do.	6,720	·216	·025	·137
7,093 A.	Do.	2,240	·162	·013	·087
7,234 B.	-	2,240	·100	·0	·091
7,514 A.	Sakhoo	2,240	·091	·003	·135
7,514 B.	Do.	3,360	·138	·021	·135
7,514 B.	Do.	2,240	·156	·014	·116
7,515 A.	-	2,240	·130	·016	·078
7,517 A.	Toon	2,240	·094	·018	·134
7,520 A.	-	2,240	·152	·017	·068
7,524 A.	Kaitha	2,240	·085	·027	·115
7,524 A.	Asna, or Asan	2,240	·142	·069	·193
7,529 A.	Do.	4,480	·262	·017	·071
7,529 A.	Do.	2,240	·088	·011	·118
7,531 A.	-	2,240	·129	·050	·145
7,618 B.	Thin Gan	2,240	·195	·008	·073
7,619 B.	Ah Nan	2,240	·081	·013	·077
7,622 B.	Oak An	2,240	·090	—	—
7,622 D.	Do.	3,360	—	·027	·191
7,622 D.	Do.	4,480	·218	·005	·107
7,629 A.	Bom Mai Za	2,240	—	—	—
7,629 B.	Do.	3,360	—	—	—
7,629 B.	Do.	4,480	—	—	—
7,629 B.	Do.	5,600	·150	·010	·140
7,629 B.	Do.	6,720	·198	·016	·182
7,629 B.	Do.	2,240	·157	·017	·140
7,665 A.	Dhane Eha	2,240	·136	·010	·126
7,674 A.	Touk Tsa	2,240	·172	·039	·133
7,674 B.	Do.	2,240	·116	·022	·094
7,677 A.	Tseek Tha	2,240	·135	·006	·129
9,238 A.	-	2,240	·123	·020	·103
9,240 A.	Brangan	2,240	·146	·014	·132
9,247 A.	-	2,240	·078	·006	·072
10,226 A.	Sissoo	2,240	·117	·010	·107
10,226 A.	Do.	3,360	·189	·032	·157
10,226 A.	Do.	4,480	·075	·015	·060
10,348 A.	Petwoon	2,240	·106	·020	·086
10,348 A.	Do.	4,480	·144	·031	·113
10,348 A.	Do.	5,600	·202	·052	·150
10,348 A.	Do.	2,240	·094	·018	·076
10,349 A.	Dwa Nee	3,360	·150	·025	·125
10,349 A.	Do.	4,480	·195	·029	·166
10,349 A.	Do.	2,240	·069	·003	·066
10,352 A.	Eng	3,360	·099	·012	·087
10,352 A.	Do.	4,480	·142	·023	·119
10,352 A.	Do.	5,600	·218	·043	·175
10,352 A.	Do.	2,240	·083	·014	·069
10,354 B.	Thin Gan	2,240	·092	·018	·074
10,355 B.	Thingadoo	3,360	—	—	—
10,355 B.	Do.	4,480	·315	·066	·249
10,355 B.	Do.	2,240	·080	·020	·060
10,356 B.	Engyin	—	—	—	—

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
EAST INDIA.					
10,356 B.	Engyin	3,360	—	—	—
10,356 B.	Do.	4,480	*198	*040	*158
10,357 A.	Theya	2,240	*067	*016	*051
10,357 A.	Do.	3,360	—	—	—
10,357 A.	Do.	4,480	*120	*022	*098
10,358 A.	Gangan	2,240	*069	*002	*007
10,358 A.	Do.	3,360	—	—	—
10,358 A.	Do.	4,480	*105	*007	*098
10,358 A.	Do.	5,600	—	—	—
10,358 A.	Do.	6,720	*180	*022	*158
10,358 B.	Do.	6,720	*152	*010	*142
10,358 B.	Do.	7,840	*213	*033	*180
10,359 A.	Do.	2,240	*066	*0	*066
10,359 A.	Do.	3,360	*102	*0	*102
10,361 B.	Poonyet	2,240	*134	*010	*124
10,362 B.	Gyo	2,240	*102	*014	*088
10,362 B.	Do.	3,360	*193	*034	*159
10,364 A.	Pinlay-oong	2,240	*106	*020	*080
10,367 A.	Boomayza	2,240	*068	*002	*066
10,367 A.	Do.	3,360	*091	*004	*087
10,367 A.	Do.	4,480	*127	*010	*117
10,367 A.	Do.	5,600	*171	*024	*147
10,373 A.	Gnoo-shwoay?	2,240	*057	*0	*057
10,373 A.	Do.	3,360	*076	*001	*075
10,373 A.	Do.	4,480	*098	*003	*095
10,373 A.	Do.	5,600	*122	*004	*118
10,375 A.	May-za-lee	2,240	*100	*0	*100
10,375 A.	Do.	3,360	*160	*008	*152
10,376 A.	Yin-dike	2,240	*074	*005	*069
10,376 A.	Do.	3,360	*106	*010	*096
10,376 A.	Do.	4,480	*148	*010	*138
10,376 A.	Do.	5,600	*211	*036	*175
10,379 A.	Padouk	2,240	*046	*0	*046
10,379 A.	Do.	3,360	*065	*0	*065
10,379 A.	Do.	4,480	*087	*0	*087
10,379 A.	Do.	5,600	*120	*007	*113
10,379 A.	Do.	6,720	*172	*019	*153
10,380 A.	Kokoh	2,240	—	—	—
10,380 A.	Do.	3,360	*164	*014	*150
10,382 A.	Poukthenmanyek Kyouk	2,240	*066	*014	*052
10,382 A.	Do.	3,360	—	—	—
10,382 A.	Do.	4,480	*162	*039	*123
10,384 A.	Thitsee	2,240	*083	*017	*096
10,384 A.	Do.	3,360	—	—	—
10,384 A.	Do.	4,480	*188	*032	*156
10,388 B.	Pangah	2,240	*066	*016	*050
10,388 B.	Do.	3,360	—	—	—
10,388 B.	Do.	4,480	*124	*019	*105
10,390 A.	Htouggyan	2,240	*055	*0	*055
10,390 A.	Do.	3,360	*078	*0	*078
10,390 A.	Do.	4,480	*130	*011	*119
10,390 A.	Do.	5,600	*181	*016	*165
10,393 A.	Bamboney	2,240	*071	*0	*071
10,393 A.	Do.	3,360	*116	*008	*108
10,394 A.	Thabyehgjo	2,240	*071	*003	*068
10,394 A.	Do.	3,360	*140	*020	*120
10,397 A.	Thabyehgah	2,240	*074	*015	*059
10,397 A.	Do.	4,480	*154	*027	*127
10,399 A.	Laizah	2,240	*075	*001	*074
10,399 A.	Do.	3,360	*133	*009	*124
10,399 A.	Do.	4,480	*148	*053	*095
10,405 B.	Hnan	2,240	*106	*016	*090
10,406 B.	Bingahe	2,240	*080	*0	*080
10,406 B.	Do.	3,360	—	—	—
10,406 B.	Do.	4,480	*172	*024	*148
10,409 A.	Htein	2,240	*073	*0	*073
10,410 A.	Hteingalah	2,240	*051	*0	*051
10,410 A.	Do.	3,360	*076	*0	*076
10,410 A.	Do.	4,480	*105	*0	*105
10,410 A.	Do.	5,600	*144	*002	*142
10,410 A.	Do.	6,720	*201	*022	*179
10,415 A.	Khaboung	2,240	*257	*050	*207
10,416 A.	Toung-za-lat	2,240	*014	*0	*014
10,416 A.	Do.	3,360	*100	*008	*092

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
EAST INDIA.					
10,416 A.	Toung-za-lat	4,480	.215	.024	.191
10,417 A.	Paet-than	2,240	.102	.0	.102
10,417 A.	Do.	3,360	.162	.008	.154
10,417 A.	Do.	4,480	.277	.050	.227
10,419 B.	Tha-khooft-ma	2,240	.173	.033	.145
10,420 B.	Than-day	2,240	.082	.020	.062
10,420 B.	Do.	3,360	—	—	—
10,420 B.	Do.	4,480	.208	.040	.168
10,420 B.	Do.	2,240	—	—	—
10,426 A.	Kuyon Teak	3,360	.240	.035	.205
10,426 A.	Do.	2,240	.096	.0	.096
10,426 B.	Do.	3,360	.204	.020	.184
10,426 B.	Do.	2,240	.163	.020	.143
10,427 B.	Yemaneh	—	—	—	—
10,430 A.	} Tounbien	2,240	.131	.011	.120
10,430 A.		—	—	—	—
10,430 A.	Do.	2,240	.179	.032	.147
10,430 B.	Do.	2,240	.202	.051	.151
10,434 A.	Theetmin	2,240	.089	.020	.069
10,434 A.	Do.	3,360	—	—	—
10,434 A.	Do.	4,480	.200	.034	.166
10,434 A.	Do.	2,240	.149	.022	.127
10,435 A.	Tinyooben	2,240	.164	.040	.124
10,438 B.	Nasha	2,240	.048	.0	.048
10,440 A.	Baman	3,360	.068	.0	.068
10,440 A.	Do.	4,480	.097	.0	.097
10,440 A.	Do.	5,600	.138	.004	.134
10,440 A.	Do.	2,240	.108	.012	.096
10,475 A.B.	Manee Auka	3,360	—	—	—
10,475 A.B.	Do.	4,480	.259	.036	.223
10,475 A.B.	Do.	2,240	.096	.0	.096
10,476 A.	Ngoo Tha	2,240	.115	.011	.104
10,476 C.	Do.	3,360	.226	.028	.198
10,476 C.	Do.	2,240	.054	.0	.054
10,477 A.	Kay Yoob	3,360	.080	.0	.080
10,477 A.	Do.	4,480	.112	.001	.111
10,477 A.	Do.	5,600	.162	.015	.147
10,477 A.	Do.	6,720	.269	.046	.223
10,477 A.	Do.	2,240	.063	.0	.063
10,477 C.	Do.	3,360	.095	.007	.088
10,477 C.	Do.	4,480	.145	.010	.135
10,477 C.	Do.	5,600	.247	.035	.212
10,477 C.	Do.	2,240	.060	.0	.060
10,478 A.	Nat Gyee	3,360	—	—	—
10,478 A.	Do.	4,480	.138	.0	.138
10,478 A.	Do.	5,600	—	—	—
10,478 A.	Do.	6,720	.287	.040	.247
10,478 A.	Do.	2,240	.076	.009	.067
10,478 C.	Do.	3,360	.110	.013	.097
10,478 C.	Do.	4,480	.152	.018	.134
10,478 C.	Do.	5,600	.208	.026	.182
10,478 C.	Do.	2,240	.073	.011	.062
10,482 B.	Pune Tha	3,360	—	—	—
10,482 B.	Do.	4,480	.165	.022	.143
10,482 B.	Do.	2,240	.052	.0	.052
10,485 A.	Padouk	3,360	.073	.0	.073
10,485 A.	Do.	4,480	.100	.003	.097
10,485 A.	Do.	5,600	.142	.012	.130
10,485 A.	Do.	2,240	.083	.013	.070
10,485 C.	Do.	3,360	.118	.018	.100
10,485 C.	Do.	4,480	.168	.024	.144
10,485 C.	Do.	2,240	.076	.018	.058
10,489 B.	Kya Ya	3,360	—	—	—
10,489 B.	Do.	4,480	.167	.031	.136
10,489 B.	Do.	2,240	.051	.0	.051
10,491 A.	Zangyecoat-doup	3,360	.076	.0	.076
10,491 A.	Do.	4,480	.132	.006	.126
10,491 A.	Do.	2,240	.121	.033	.088
Do.	—	3,360	.230	.070	.160
Do.	—	—	—	—	—

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
HUNGARY.					
No experiments.					
JAMAICA.					
160 A.	White Lance Wood	2,240	·084	·012	·072
160 A.	Do.	3,360	·110	·015	·095
160 A.	Do.	4,480	·142	·020	·122
160 A.	Do.	5,600	·191	·030	·161
160 A.	Do.	6,720	·265	·046	·219
164 A.	Blood or Iron Wood	2,240	·113	·006	·107
164 A.	Do.	3,360	·175	·028	·147
164 C.	Do.	2,240	·094	·009	·085
164 C.	Do.	3,360	·166	·022	·144
169 A.	Red Wood	2,240	·070	·0	·070
169 A.	Do.	3,360	·098	·0	·098
169 A.	Do.	4,480	·150	·009	·141
169 C.	-	2,240	·092	·007	·085
169 C.	-	3,360	·140	·018	·122
169 C.	-	4,480	·252	·040	·212
189 A.	Jack Fruit	2,240	·116	·0	·116
189 B.	Do.	2,240	—	—	—
189 B.	Do.	3,360	·213	·033	·180
189 C.	Do.	2,240	·343	·050	·293
201 A.	Red Candle Wood	2,240	·076	·0	·076
201 A.	Do.	3,360	·104	·0	·104
201 A.	Do.	4,480	·140	·005	·135
201 A.	Do.	5,600	·201	·018	·183
201 C.	Do.	2,240	·084	·014	·070
201 C.	Do.	3,360	·120	·025	·095
201 C.	Do.	4,480	·172	·036	·136
201 C.	Do.	5,600	·240	·056	·184
210 A.	Botanical name, Casuarina equisetifolia.	2,240	·067	·0	·067
210 A.	Do.	3,360	·092	·0	·092
210 A.	Do.	4,480	·121	·0	·121
210 C.	Do.	2,240	·082	·0	·082
210 C.	Do.	3,360	·105	·002	·103
210 C.	Do.	4,480	·152	·021	·131
212 A.	Jamaica Ebony, Black Heart var.	2,240	·060	·0	·060
212 A.	Do.	3,360	·080	·0	·080
212 A.	Do.	4,480	·102	·001	·101
212 A.	Do.	5,600	·122	·002	·120
212 A.	Do.	6,720	·153	·006	·147
212 A.	Do.	7,840	·186	·011	·175
216 A.	Dog Wood	2,240	·074	·001	·073
216 A.	Do.	3,360	·102	·003	·099
216 A.	Do.	4,480	·128	·005	·123
216 C.	Do.	5,600	·165	·011	·154
216 C.	Do.	2,240	·068	·0	·068
216 C.	Do.	3,360	·089	·0	·089
216 C.	Do.	4,480	·111	·002	·109
216 C.	Do.	5,600	·136	·003	·133
218 A.	Do.	6,720	·169	·008	·161
218 A.	Do.	2,240	·087	·007	·080
218 A.	Do.	3,360	·127	·013	·114
223 A.	Brazilletto	4,480	·193	·024	·169
223 A.	Do.	2,240	·064	·0	·064
223 A.	Do.	3,360	·085	·0	·085
223 A.	Do.	4,480	·110	·004	·106
223 A.	Do.	5,600	·138	·013	·125
223 C.	Do.	6,720	·164	·018	·146
223 C.	Do.	2,240	·060	·0	·060
223 C.	Do.	3,360	·078	·0	·078
223 C.	Do.	4,480	·097	·003	·094
228 A.	Yellow Candle Wood	5,600	·125	·007	·118
228 A.	Do.	2,240	·068	·0	·068
228 A.	Do.	3,360	·091	·0	·091
228 A.	Do.	4,480	·121	·004	·117
228 A.	Do.	5,600	·154	·015	·139
234 A.	Santa Maria	6,720	·219	·027	·182
		2,240	·140	·032	·108

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
JAMAICA.					
236 A.	South American Acacia, showing the bark.	2,240	·216	·046	·170
252 A.	White Mangrove - - -	2,240	·103	·007	·096
252 A.	Do. - - - - -	3,360	·153	·018	·135
252 A.	Do. - - - - -	4,480	·282	·039	·243
252 C.	Do. - - - - -	2,240	·132	·024	·108
267 A.	White Bully Tree - - -	2,240	·071	·004	·067
267 A.	Do. - - - - -	3,360	·099	·006	·093
267 A.	Do. - - - - -	4,480	·133	·010	·123
267 A.	Do. - - - - -	5,600	·190	·018	·172
267 C.	Do. - - - - -	2,240	·070	·0	·070
267 C.	Do. - - - - -	3,360	·099	·006	·093
267 C.	Do. - - - - -	4,480	·140	·014	·126
284 A.	Tecoma stans - - - -	2,240	·088	·012	·076
284 A.	Do. - - - - -	3,360	·119	·019	·100
297 A.	Red Heart - - - - -	2,240	·065	·0	·065
297 A.	Do. - - - - -	3,360	·083	·0	·083
297 A.	Do. - - - - -	4,480	·102	·0	·102
297 A.	Do. - - - - -	5,600	·124	·002	·122
297 A.	Do. - - - - -	6,720	·153	·006	·147
297 A.	Do. - - - - -	7,840	·199	·015	·184
297 C.	Do. - - - - -	2,240	·060	·0	·060
297 C.	Do. - - - - -	3,360	·070	·0	·070
297 C.	Do. - - - - -	4,480	·097	·006	·091
297 C.	Do. - - - - -	5,600	·124	·010	·114
297 C.	Do. - - - - -	6,720	·164	·015	·149
297 C.	Do. - - - - -	7,840	·223	·020	·203
312 ca.	Section of Cocoa Nut	2,240	—	—	—
312 ca.	Do. - - - - -	3,360	·108	·0	·103
319 aa.	Do. - - - - -	2,240	·072	·004	·068
319 aa.	Do. - - - - -	3,360	·036	·006	·090
319 aa.	Do. - - - - -	4,480	·122	·009	·113
319 ba.	Do. - - - - -	2,240	·063	·007	·059
319 ba.	Do. - - - - -	3,360	·090	·012	·078
319 ba.	Do. - - - - -	4,480	·134	·020	·114
319 ba.	Do. - - - - -	5,600	·221	·041	·180
319 bc.	Do. - - - - -	2,240	·072	·006	·066
319 bc.	Do. - - - - -	3,360	·110	·011	·099
319 bc.	Do. - - - - -	4,480	·176	·030	·146
319 ca.	Do. - - - - -	2,240	·080	·0	·080
319 ca.	Do. - - - - -	3,360	—	—	—
319 ca.	Do. - - - - -	4,480	·144	·004	·140
319 ca.	Do. - - - - -	5,600	·193	·014	·179
319 ea.	Do. - - - - -	2,240	·068	·0	·068
319 ea.	Do. - - - - -	3,360	·090	·0	·090
319 ea.	Do. - - - - -	4,480	·114	·0	·114
319 ea.	Do. - - - - -	5,600	·146	·002	·144
319 ea.	Do. - - - - -	6,720	·190	·007	·183
320 A.	Yoke Wood - - - - -	2,240	·121	·014	·107
320 A.	Do. - - - - -	3,360	·226	·032	·194
326 A.	Red Wood - - - - -	2,240	·086	·019	·065
326 A.	Do. - - - - -	3,360	·135	·026	·109
326 A.	Do. - - - - -	4,480	·214	·041	·173
328 A.	Black Bullet Tree - -	2,240	·072	·006	·066
328 A.	Do. - - - - -	3,360	·106	·014	·092
328 A.	Do. - - - - -	4,480	·142	·019	·123
328 A.	Do. - - - - -	5,600	·193	·030	·163
332 A.	Hog Berry - - - - -	2,240	·097	·006	·091
332 A.	Do. - - - - -	3,360	·146	·016	·130
332 A.	Do. - - - - -	4,480	·309	·058	·251
332 C.	Do. - - - - -	2,240	·090	·006	·084
332 C.	Do. - - - - -	3,360	·140	·015	·125
332 C.	Do. - - - - -	4,480	·248	·040	·208
338 A.	Spanish Elm - - - - -	2,240	·082	·0	·082
338 A.	Do. - - - - -	3,360	·111	·001	·110
338 A.	Do. - - - - -	4,480	·158	·014	·144
338 A.	Do. - - - - -	5,600	·244	·026	·218
338 C.	Do. - - - - -	2,240	·092	·005	·087
338 C.	Do. - - - - -	3,360	·126	·009	·115
338 C.	Do. - - - - -	4,480	·184	·018	·166
339 A.	Naseberry Bullet Tree	2,240	·060	·0	·060
339 A.	Do. - - - - -	3,360	·073	·002	·071

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
JAMAICA.					
339 A.	Naseberry Bullet Tree	4,480	·092	·009	·083
339 A.	Do.	5,600	·120	·014	·106
339 A.	Do.	6,720	·159	·020	·139
339 A.	Do.	7,840	·214	·030	·184
339 C.	Do.	2,240	·068	·006	·062
339 C.	Do.	3,360	·090	·009	·081
339 C.	Do.	4,480	·112	·011	·101
339 C.	Do.	5,600	·143	·016	·127
339 C.	Do.	6,720	·192	·026	·166
341 A.	Iron Wood	2,240	·065	·0	·065
341 A.	Do.	3,360	·088	·0	·088
341 A.	Do.	4,480	·112	·0	·112
341 A.	Do.	5,600	·139	·004	·135
343 A.	Cassada Wood	2,240	·116	·026	·090
343 C.	Do.	2,240	·124	·030	·094
345 A.	Wild Orange	2,240	·052	·0	·052
345 A.	Do.	3,360	·069	·0	·069
345 A.	Do.	4,480	·087	·0	·087
345 B.	Do.	2,240	·047	·0	·047
345 B.	Do.	3,360	·063	·0	·063
345 B.	Do.	4,480	·080	·0	·080
345 B.	Do.	5,600	·102	·001	·101
345 B.	Do.	6,720	·128	·008	·120
345 B.	Do.	7,840	·174	·016	·158
350 A.	Green Heart	2,240	·058	·0	·058
350 A.	Do.	3,360	·080	·0	·080
350 A.	Do.	4,480	·104	·004	·100
350 A.	Do.	5,600	·134	·011	·123
350 A.	Do.	6,720	·182	·021	·161
351 A.	Musk Wood	2,240	·107	·008	·099
351 A.	Do.	3,360	·187	·028	·159
351 A.	Do.	4,480	·409	·120	·289
354 A.	Sweet Wood	2,240	·068	·001	·067
354 A.	Do.	3,360	·098	·006	·092
354 A.	Do.	4,480	·156	·020	·136
355 A.	Black Rosewood	2,240	·072	·0	·072
355 A.	Do.	3,360	·091	·0	·091
355 A.	Do.	4,480	·117	·007	·110
355 A.	Do.	5,600	·149	·009	·140
355 A.	Do.	6,720	·198	·028	·170
355 A.	Do.	7,840	·273	·047	·226
355 A.	Do.	8,960	·430	·090	·340
358 A.	White Rosewood	2,240	·055	·0	·055
358 A.	Do.	3,360	·074	·004	·070
358 A.	Do.	4,480	·094	·010	·084
358 A.	Do.	5,600	·133	·019	·114
358 A.	Do.	6,720	·182	·033	·149
358 C.	Do.	2,240	·052	·0	·052
358 C.	Do.	3,360	·070	·001	·069
358 C.	Do.	4,480	·089	·006	·083
358 C.	Do.	5,600	·118	·010	·108
358 C.	Do.	6,720	·168	·020	·148
358 C.	Do.	7,840	·294	·050	·244
363 A.	Beech Wood	2,240	·082	·0	·082
363 A.	Do.	3,360	·122	·008	·114
363 A.	Do.	4,480	·189	·024	·165
363 A.	Do.	5,600	·354	·071	·283
365 A.	Wild Cinnamon	2,240	·132	·021	·111
365 A.	Do.	3,360	·415	·094	·321
367 A.	White Cedar	2,240	·215	·046	·169
371 A.	White Torch	2,240	·070	·0	·070
371 A.	Do.	3,360	·093	·0	·093
371 A.	Do.	4,480	·128	·004	·124
371 A.	Do.	5,600	·174	·013	·161
371 B.	Do.	2,240	·076	·0	·076
371 B.	Do.	3,360	·108	·0	·108
371 B.	Do.	4,480	·152	·002	·150
372 A.	Beef Apple	2,240	·093	·009	·084
372 A.	Do.	3,360	·131	·020	·111
372 A.	Do.	4,480	·202	·039	·163
376 A.	Blood Red Wood, or Black Mahogany.	2,240	·094	·012	·082
376 A.	Do.	3,360	·161	·027	·134

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
JAMAICA.					
376 B.	Blood Red Wood, or Black Mahogany.	2,240	·091	·0	·091
376 B.	Do. - - - -	3,360	·150	·0	·150
376 B.	Do. - - - -	4,480	·280	·058	·222
378 A.	Wild Fig Tree - - - -	2,240	·188	·040	·148
384 A.	Black Mahogany, or Blood Red Wood.	2,240	·083	·0	·083
384 A.	Do. - - - -	3,360	·147	·016	·131
384 C.	Do. - - - -	2,240	·089	·0	·089
384 C.	Do. - - - -	3,360	·151	·007	·144
407 A.	Star Apple - - - -	2,240	·071	·006	·065
407 A.	Do. - - - -	3,360	·100	·012	·088
407 A.	Do. - - - -	4,480	·145	·018	·127
407 A.	Do. - - - -	5,600	·204	·029	·175
LIBERIA.					
7 A.	- - - - -	2,240	·112	·014	·098
7 A.	- - - - -	3,360	·184	·012	·172
7 C.	- - - - -	2,240	·131	·022	·109
7 C.	- - - - -	3,360	·292	·075	·217
10 A.	- - - - -	2,240	·062	·0	·062
10 A.	- - - - -	3,360	·085	·0	·085
10 A.	- - - - -	4,480	·115	·005	·110
10 A.	- - - - -	5,600	·149	·010	·139
10 C.	- - - - -	2,240	·058	·0	·058
10 C.	- - - - -	3,360	·080	·0	·080
10 C.	- - - - -	4,480	·104	·0	·104
10 C.	- - - - -	5,600	·129	·0	·129
11 A.	- - - - -	2,240	·062	·0	·062
11 A.	- - - - -	3,360	·077	·0	·077
11 A.	- - - - -	4,480	·096	·004	·092
11 A.	- - - - -	5,600	·122	·017	·105
11 A.	- - - - -	6,720	·165	·024	·141
11 C.	- - - - -	4,480	·119	·015	·104
11 C.	- - - - -	5,600	·155	·023	·132
15 A.	Cherry - - - -	2,240	·097	·009	·088
15 A.	Do. - - - -	3,360	·139	·017	·122
15 C.	Do. - - - -	2,240	·089	·003	·086
15 C.	Do. - - - -	3,360	·149	·015	·134
15 D.	Do. - - - -	2,240	·212	·022	·190
16 A.	Do. - - - -	2,240	·144	·010	·134
16 A.	Do. - - - -	3,360	·236	·022	·214
17 A.	Brimstone - - - -	2,240	·083	·0	·083
17 A.	Do. - - - -	3,360	·129	·0	·129
18 A.	Boxwood - - - -	2,240	·066	·001	·065
18 A.	Do. - - - -	3,360	·090	·003	·087
18 A.	Do. - - - -	4,480	·113	·006	·107
18 A.	Do. - - - -	5,600	·152	·016	·136
18 A.	Do. - - - -	6,720	·213	·022	·191
19 B.	Cedar - - - -	2,240	·163	·026	·137
20 A.	Iron Wood - - - -	2,240	·072	·0	·072
20 A.	Do. - - - -	3,360	·098	·0	·098
20 A.	Do. - - - -	4,480	·129	·006	·123
20 A.	Do. - - - -	5,600	·170	·012	·158
20 C.	Do. - - - -	2,240	·078	·002	·076
20 C.	Do. - - - -	3,360	·102	·005	·097
20 C.	Do. - - - -	4,480	·131	·007	·124
20 C.	Do. - - - -	5,600	·183	·016	·167
20 Aa.	Mahogany - - - -	2,240	·144	·028	·116
20 Ac.	Do. - - - -	2,240	·166	·025	·141
21 A.	Black Oak - - - -	2,240	·095	·0	·095
21 A.	Do. - - - -	3,360	·174	·012	·162
21 C.	Do. - - - -	2,240	·107	·017	·090
21 C.	Do. - - - -	3,360	·174	·040	·134
22 A.	Mahogany - - - -	2,240	·108	·006	·102
22 A.	Do. - - - -	3,360	·190	·032	·158
22 C.	Do. - - - -	2,240	·140	·017	·123
58 A.	- - - - -	2,240	·086	·005	·081
58 A.	- - - - -	3,360	·120	·013	·107
58 A.	- - - - -	4,480	·182	·016	·166

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
NEW SOUTH WALES (NORTH).					
3 A.	Toorie	2,240	·066	·002	·064
3 A.	Do.	3,360	·100	·008	·092
3 A.	Do.	4,480	·186	·032	·154
3 C.	Do.	2,240	·056	·0	·056
3 C.	Do.	3,360	·083	·0	·083
3 C.	Do.	4,480	·141	·014	·127
4 A.	-	2,240	·068	·004	·064
4 A.	-	3,360	·114	·020	·094
5 A.	Bastard or White Box	2,240	·072	·004	·068
5 A.	Do.	3,360	·101	·009	·092
5 A.	Do.	4,480	·146	·021	·125
5 C.	Do.	2,240	·087	·002	·085
5 C.	Do.	3,360	·123	·010	·118
5 C.	Do.	4,480	·206	·032	·174
6 A.	Red Box	2,240	·136	·016	·120
6 A.	Do.	3,360	·250	·043	·207
6 C.	Do.	2,240	·107	·006	·101
6 C.	Do.	3,360	·181	·020	·161
7 A.	Buranna	2,240	·137	·003	·134
10 A.	Box of Illawarra	2,240	·092	·003	·084
10 A.	Do.	3,360	·152	·023	·129
13 A.	Wobul	2,240	·069	·0	·069
13 A.	Do.	3,360	·096	·0	·096
13 A.	Do.	4,480	·128	·005	·123
13 A.	Do.	5,600	·212	·032	·180
14 A.	-	2,240	·074	·005	·069
14 A.	-	3,360	·108	·010	·098
14 A.	-	4,480	·174	·022	·152
15 A.	Moreton Bay Pine	2,240	·163	·045	·118
15 D.	Do.	2,240	·161	·042	·119
17 A.	-	2,240	·094	·006	·088
17 A.	-	3,360	·204	·036	·168
19 A.	Cherry	2,240	·169	·018	·151
21 A.	-	2,240	·072	·002	·070
21 A.	-	3,360	·100	·007	·093
21 A.	-	4,480	·136	·011	·125
21 A.	-	5,600	·170	·018	·152
22 B.	-	2,240	·142	·024	·118
22 D.	-	2,240	·222	·045	·177
23 A.	-	2,240	·085	·0	·085
23 A.	-	3,360	·136	·008	·128
23 C.	-	2,240	·093	·004	·094
23 C.	-	3,360	·163	·018	·145
24 A.	Ash, Beech, and Flindooa	2,240	·064	·0	·064
24 A.	Do.	3,360	·093	·005	·088
24 A.	Do.	4,480	·154	·019	·135
24 C.	Do.	2,240	·088	·008	·080
24 C.	Do.	3,360	·145	·019	·126
24 C.	Do.	4,480	·138	·020	·118
25 A.	-	2,240	·090	·007	·083
25 C.	-	2,240	·108	·016	·092
26 A.	Cherry of the Clarence	2,240	·106	·016	·090
26 A.	Do.	3,360	·189	·042	·147
27 A.	Native Tamarind	2,240	·097	·001	·066
27 A.	Do.	3,360	·180	·009	·171
27 A.	Do.	4,480	·199	·037	·162
27 C.	Do.	2,240	·087	·008	·079
27 C.	Do.	3,360	·142	·023	·119
28 A.	Native Plum	2,240	·064	·010	·054
28 A.	Do.	3,360	·086	·015	·071
28 A.	Do.	4,480	·118	·019	·099
28 A.	Do.	5,600	·155	·026	·129
28 A.	Do.	6,720	·246	·046	·200
28 C.	Do.	2,240	·070	·001	·069
28 C.	Do.	3,360	·100	·003	·097
28 C.	Do.	4,480	·148	·015	·133
28 C.	Do.	5,600	·244	·029	·215
28 C.	Do.	6,720	·232	·030	·202
35 A.	-	2,240	·223	·050	·173
36 A.	-	2,240	·066	·004	·062
36 A.	-	3,360	·082	·007	·075
36 A.	-	4,480	·135	·017	·118
36 A.	-	5,600	·234	·050	·184

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
NEW SOUTH WALES (NORTH).					
40 A.	Uroobie	2,240	·066	·0	·066
40 A.	Do.	3,360	·096	·004	·092
40 A.	Do.	4,480	·101	·006	·095
40 A.	Do.	5,600	·147	·014	·133
40 A.	Do.	6,720	·298	·048	·250
40 C.	Do.	2,240	·072	·002	·070
40 C.	Do.	3,360	·101	·005	·096
40 C.	Do.	4,480	·136	·010	·126
40 C.	Do.	5,600	·187	·022	·165
40 C.	Do.	6,720	·310	·060	·250
43 A.	Bat Ball, Native Orange, Native Pomegranate.	2,240	·073	·0	·073
43 A.	Do.	3,360	·110	·007	·103
43 A.	Do.	4,480	·179	·027	·152
44 A.	Black Myrtle	2,240	·080	·006	·074
44 A.	Do.	3,363	·141	·024	·117
45 A.	-	2,240	·121	·008	·113
45 A.	-	3,360	·130	·007	·123
47 A.	Rosewood	2,240	·071	·0	·071
47 A.	Do.	3,360	·107	·002	·105
47 A.	Do.	4,480	·165	·020	·145
47 C.	Do.	2,240	·073	·003	·070
47 C.	Do.	3,360	·115	·010	·105
47 C.	Do.	4,480	·167	·018	·149
51 A.	Pencil Cedar, Turnip Wood	2,240	·076	·004	·072
51 A.	Do.	3,360	·114	·014	·100
51 C.	Do.	2,240	·096	·0	·096
51 C.	Do.	3,360	·149	·012	·137
51 C.	Do.	4,480	·177	·021	·156
53 A.	-	2,240	·076	·0	·076
53 A.	-	3,360	·110	·003	·107
53 A.	-	4,480	·171	·013	·165
54 A.	-	2,240	·069	·002	·067
54 A.	-	3,360	·097	·006	·091
54 A.	-	4,480	·146	·016	·130
54 A.	-	5,600	·226	·031	·195
60 A.	Hickory Lignum Vitæ	2,240	·084	·0	·084
60 A.	Do.	3,360	·112	·004	·108
60 A.	Do.	4,480	·159	·010	·149
60 A.	Do.	5,600	·229	·034	·195
60 A.	Do.	6,720	·232	·046	·186
61 A.	Flindosa	2,240	·070	·0	·070
61 A.	Do.	3,360	·096	·005	·091
61 A.	Do.	4,480	·142	·017	·125
61 A.	Do.	5,600	·336	·088	·248
61 C.	Do.	2,240	·089	·003	·086
61 C.	Do.	3,360	·130	·013	·117
61 C.	Do.	4,480	·243	·054	·189
63 A.	Flintamendosa	2,240	·065	·006	·059
63 A.	Do.	3,360	·092	·010	·082
63 A.	Do.	4,480	·118	·016	·102
63 A.	Do.	5,600	·153	·024	·134
63 A.	Do.	6,720	·238	·041	·197
64 A.	Tea Tree	2,240	·081	·0	·081
64 A.	Do.	3,360	·115	·005	·110
64 A.	Do.	4,480	·168	·013	·155
66 A.	Bastard Myall	2,240	·070	·001	·069
66 A.	Do.	3,360	·098	·010	·088
66 A.	Do.	4,480	·166	·025	·141
67 A.	-	2,240	·071	·0	·071
67 A.	-	3,360	·096	·0	·096
67 A.	-	4,480	·131	·004	·127
67 A.	-	5,600	·174	·012	·162
68 A.	-	2,240	·175	·024	·151
69 A.	-	2,240	·070	·002	·068
69 A.	-	3,360	·100	·004	·096
69 A.	-	4,480	·149	·014	·135
69 A.	-	2,240	·060	·0	·060
71 A.	Swamp Oak	3,360	·082	·002	·080
71 A.	Do.	4,480	·108	·007	·101
71 A.	Do.	5,600	·160	·017	·143
74 A.	White Myrtle	2,240	·058	·002	·056
74 A.	Do.	3,360	·079	·004	·075

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
NEW SOUTH WALES (NORTH).					
74 A.	White Myrtle	4,480	'112	'009	'103
74 A.	"	5,600	'156	'020	'136
74 A.	"	6,720	'264	'050	'214
77 A.	Iron Bark of Clarence	2,240	'050	'002	'048
77 A.	Do.	3,360	'068	'003	'065
77 A.	Do.	4,480	'087	'004	'083
77 A.	Do.	5,600	'111	'008	'103
77 A.	Do.	6,720	'152	'014	'138
84 A.	Marble Wood	2,240	'056	'002	'056
84 A.	Do.	3,360	'074	'002	'072
84 A.	Do.	4,480	'103	'007	'096
84 A.	Do.	5,600	'146	'013	'133
84 A.	Do.	6,720	'230	'044	'186
88 A.	"	2,240	'055	'0	'055
88 A.	"	3,360	'080	'001	'079
88 A.	"	4,480	'122	'010	'112
88 A.	"	5,600	'212	'036	'176
89 A.	Found in Brush Forests in the Clarence.	2,240	'070	'0	'070
89 A.	Do.	3,360	'094	'002	'092
89 A.	Do.	4,480	'130	'007	'123
89 A.	Do.	5,600	'190	'022	'168
93 A.	"	2,240	'095	'009	'086
93 A.	"	3,360	'192	'038	'154
102 A.	Flooded Gum	2,240	'063	'005	'058
102 A.	Do.	3,360	'104	'014	'090
102 A.	Do.	4,480	'186	'048	'138
102 C.	Do.	2,240	'072	'003	'069
102 C.	Do.	3,360	'130	'018	'112
103 A.	Grey Gum	2,240	'055	'0	'055
103 A.	Do.	3,360	'076	'0	'076
103 A.	Do.	4,480	'106	'005	'101
103 A.	Do.	5,600	'149	'014	'135
103 A.	Do.	6,720	'232	'041	'191
104 A.	Bitter Bark	2,240	'078	'002	'076
104 A.	Do.	3,360	'118	'010	'108
104 A.	Do.	4,480	'224	'038	'186
105 A.	Light Yellow Wood	2,240	'094	'004	'090
105 A.	Do.	3,360	'154	'020	'134
106 A.	Iron Wood	2,240	'069	'003	'066
106 A.	Do.	3,360	'095	'005	'090
106 A.	Do.	4,480	'126	'010	'116
106 A.	Do.	5,600	'177	'022	'155
106 A.	Do.	6,720	'292	'056	'236
109 A.	Swamp Mahogany	2,240	'088	'0	'088
109 A.	Do.	3,360	'141	'004	'137
111 A.	Water Gum	2,240	'130	'003	'127
111 A.	Do.	3,360	'200	'020	'180
111 A.	Do.	4,480	'372	'070	'302
111 C.	Do.	2,240	'130	'001	'129
111 C.	Do.	3,360	'204	'017	'187
111 C.	Do.	4,480	'375	'070	'305
114 A.	Brush Iron Bark	2,240	'096	'0	'096
114 A.	Do.	3,360	'154	'007	'147

NEW SOUTH WALES (SOUTH).

1 A.	White or Pale Iron Bark	2,240	'030	'0	'030
1 A.	Do.	3,360	'044	'0	'044
1 A.	Do.	4,480	'060	'0	'060
1 A.	Do.	5,600	'076	'002	'074
1 A.	Do.	6,720	'095	'005	'090
1 A.	Do.	7,840	'123	'007	'116
1 A.	Do.	8,960	'155	'015	'140
1 A.	Do.	10,080	'210	'030	'180
1 B.	Do.	2,240	'068	'0	'068
1 B.	Do.	3,360	'098	'0	'098
1 B.	Do.	4,480	'140	'003	'137
1 C.	Do.	2,240	'051	'0	'051
1 C.	Do.	3,360	'065	'0	'065
1 C.	Do.	4,480	'080	'0	'080
1 C.	Do.	5,600	'098	'004	'094
1 C.	Do.	6,720	'120	'008	'112

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
NEW SOUTH WALES (SOUTH).					
1 C.	White or Pale Iron Bark -	7,840	'151	'016	'135
1 C.	Do. -	8,960	'205	'031	'174
1 C.	Do. -	10,080	'278	'052	'226
2 A.	White Iron Bark -	2,240	'051	'001	'050
2 A.	Do. -	3,360	'071	'005	'066
2 A.	Do. -	4,480	'091	'007	'084
2 A.	Do. -	5,600	'116	'012	'104
2 A.	Do. -	6,720	'159	'021	'138
2 A.	Do. -	7,840	'224	'044	'180
2 B.	Do. -	2,240	'047	'0	'047
2 B.	Do. -	3,360	'066	'003	'063
2 B.	Do. -	4,480	'085	'007	'078
2 B.	Do. -	5,600	'116	'014	'102
2 B.	Do. -	6,720	'160	'020	'140
2 B.	Do. -	7,840	'229	'026	'203
3 A.	Iron Bark -	2,240	'062	'0	'062
3 A.	Do. -	3,360	'085	'002	'083
3 A.	Do. -	4,480	'117	'006	'111
3 A.	Do. -	5,600	'163	'018	'145
3 A.	Do. -	6,720	'235	'044	'191
3 C.	Do. -	2,240	'057	'0	'057
3 C.	Do. -	3,360	'074	'0	'074
3 C.	Do. -	4,480	'096	'002	'094
3 C.	Do. -	5,600	'122	'006	'116
3 C.	Do. -	6,720	'161	'013	'148
3 C.	Do. -	7,840	'221	'038	'183
4 A.	Broad-leaved Rough Iron-Bark -	2,240	'071	'004	'067
4 A.	Do. -	3,360	'096	'009	'087
4 A.	Do. -	4,480	'122	'015	'107
4 A.	Do. -	5,600	'152	'023	'129
4 A.	Do. -	6,720	'182	'028	'154
4 C.	Do. -	2,240	'061	'0	'061
4 C.	Do. -	3,360	'082	'0	'082
4 C.	Do. -	4,480	'106	'005	'101
4 C.	Do. -	5,600	'146	'014	'132
4 C.	Do. -	6,720	'186	'028	'158
5 A.	Iron Bark -	2,240	'048	'0	'048
5 A.	Do. -	3,360	'066	'0	'066
5 A.	Do. -	4,480	'084	'0	'084
5 A.	Do. -	5,600	'108	'001	'107
5 A.	Do. -	6,720	'138	'008	'130
5 A.	Do. -	7,840	'183	'020	'163
5 C.	Do. -	2,240	'074	'0	'074
5 C.	Do. -	3,360	'095	'004	'091
5 C.	Do. -	4,480	'116	'008	'108
5 C.	Do. -	5,600	'144	'014	'130
5 C.	Do. -	6,720	'154	'016	'138
5 C.	Do. -	7,840	'196	'030	'166
7 A.	Narrow-leaved Smooth or Red Iron Bark.	2,240	'068	'002	'066
7 A.	Do. -	3,360	'092	'004	'088
7 A.	Do. -	4,480	'122	'006	'116
7 A.	Do. -	5,600	'156	'013	'143
10 A.	Box of Illawarra -	2,240	'090	'002	'088
10 B.	Do. -	2,240	'076	'0	'076
10 B.	Do. -	3,360	'111	'004	'107
10 B.	Do. -	4,480	'162	'015	'147
11 A.	Bastard Box of Illawarra -	2,240	'058	'0	'058
11 A.	Do. -	3,360	'072	'005	'067
11 A.	Do. -	4,480	'087	'007	'080
11 A.	Do. -	5,600	'103	'010	'093
11 A.	Do. -	6,720	'128	'017	'111
11 A.	Do. -	7,840	'161	'026	'135
11 A.	Do. -	8,960	'232	'050	'182
12 B.	Yellow Box of Camden	2,240	'116	'014	'102
12 C.	Do. -	2,240	'129	'018	'111
13 A.	Bastard Box -	2,240	'058	'003	'055
13 A.	Do. -	3,360	'076	'004	'072
13 A.	Do. -	4,480	'092	'006	'086
13 A.	Do. -	5,600	'111	'008	'103
13 A.	Do. -	6,720	'133	'010	'123
13 A.	Do. -	7,840	'170	'023	'147
13 A.	Do. -	8,960	'239	'044	'195

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
NEW SOUTH WALES (SOUTH).					
13 C.	Bastard Box	2,240	*061	*0	*061
13 C.	Do.	3,360	*079	*002	*077
13 C.	Do.	4,480	*099	*006	*093
13 C.	Do.	5,600	*126	*010	*116
13 C.	Do.	6,720	*167	*020	*147
13 C.	Do.	7,840	*234	*036	*193
14 A.	Do.	2,240	*054	*0	*054
14 A.	Do.	3,360	*071	*0	*071
14 A.	Do.	4,480	*087	*006	*081
14 A.	Do.	5,600	*108	*010	*098
14 A.	Do.	6,720	*142	*019	*123
14 A.	Do.	7,840	*197	*032	*165
15 A.	Box	2,240	*106	*003	*103
15 A.	Do.	3,360	*154	*013	*141
15 A.	Do.	4,480	*258	*049	*209
15 C.	Do.	2,240	*081	*001	*080
15 C.	Do.	3,360	*120	*007	*113
15 C.	Do.	4,480	*181	*027	*154
16 A.	Flooded Gum	2,240	*106	*006	*100
16 A.	Do.	3,360	*174	*022	*152
17 A.	Bastard Box	2,240	*064	*004	*060
17 A.	Do.	3,360	*097	*008	*089
17 A.	Do.	4,480	*117	*015	*102
17 A.	Do.	5,600	*155	*020	*135
18 A.	Blue Gum of Coast District	2,240	*107	*005	*102
18 A.	Do.	3,360	*166	*020	*146
18 B.	Do.	2,240	*100	*002	*098
18 B.	Do.	3,360	*162	*015	*147
19 C.	Blue Gum of Camden	2,240	*101	*002	*099
20 A.	Blue Gum	2,240	*116	*005	*111
20 A.	Do.	3,360	*180	*017	*163
21 A.	Do.	2,240	*076	*0	*076
21 A.	Do.	3,360	*101	*006	*095
21 A.	Do.	4,480	*128	*010	*118
21 A.	Do.	5,600	*163	*021	*142
21 A.	Do.	6,720	*223	*040	*183
23 A.	Grey Gum	2,240	*074	*0	*074
23 A.	Do.	3,360	*104	*0	*104
23 A.	Do.	4,480	*142	*010	*132
25 A.	Do.	5,600	*212	*033	*179
24 A.	Woolly Butt of Illawarra	2,240	*058	*0	*058
24 A.	Do.	3,360	*080	*0	*080
24 A.	Do.	4,480	*111	*008	*103
24 A.	Do.	5,600	*153	*020	*133
25 A.	Rough-barked Gum	2,240	*085	*001	*084
25 A.	Do.	3,360	*111	*006	*105
25 A.	Do.	4,480	*145	*016	*129
25 A.	Do.	5,600	*196	*032	*164
27 A.	Black Butt Gum	2,240	*070	*002	*068
27 A.	Do.	3,360	*092	*009	*083
27 A.	Do.	4,480	*123	*015	*108
27 A.	Do.	5,600	*182	*027	*155
27 C.	Do.	2,240	*076	*002	*074
27 C.	Do.	3,360	*106	*009	*097
27 C.	Do.	4,480	*158	*018	*140
27 C.	Do.	5,600	*249	*051	*198
37 A.	Rough-barked Gum	2,240	*071	*0	*071
37 A.	Do.	3,360	*097	*002	*095
37 A.	Do.	4,480	*130	*008	*122
37 A.	Do.	5,600	*186	*029	*157
37 S.A.	Do.	2,240	*059	*0	*059
37 S.A.	Do.	3,360	*077	*0	*077
37 S.A.	Do.	4,480	*097	*0	*097
37 S.A.	Do.	5,600	*123	*004	*119
37 S.A.	Do.	6,720	*164	*014	*150
38 A.	Grey Gum from Brisbane Water.	2,240	*067	*0	*067
38 A.	Do.	3,360	*089	*0	*089
38 A.	Do.	4,480	*120	*001	*119
38 A.	Do.	5,600	*156	*013	*143
38 C.	Do.	2,240	*070	*003	*064
38 C.	Do.	3,360	*094	*008	*086
38 C.	Do.	4,480	*122	*010	*112
38 C.	Do.	5,600	*166	*019	*147

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
NEW SOUTH WALES (SOUTH).					
38 C.	Grey Gum from Brisbane Water	6,720	·230	·040	·190
40 A.	Messmate	2,240	·070	·0	·070
40 A.	Do.	3,360	·098	·002	·096
40 A.	Do.	4,480	·140	·009	·131
40 A.	Do.	5,600	·224	·030	·194
40 C.	Do.	2,240	·074	·0	·074
40 C.	Do.	3,360	·102	·008	·094
40 C.	Do.	4,480	·137	·015	·122
40 C.	Do.	2,240	·064	·0	·064
40 D.	Do.	3,360	·092	·0	·092
40 D.	Do.	4,480	·135	·004	·131
40 D.	Do.	5,600	·204	·030	·174
40 D.	Do.	2,240	·100	·003	·097
42 A.	Swamp Mahogany	3,360	·148	·014	·134
42 A.	Do.	2,240	·072	·005	·067
42 B.	Do.	3,360	·102	·008	·094
42 B.	Do.	4,480	·153	·017	·136
42 B.	Do.	2,240	·090	·007	·083
43 A.	Do.	3,360	·151	·016	·135
43 C.	Do.	2,240	·112	·002	·110
43 C.	Do.	3,360	·212	·024	·188
43 D.	Do.	2,240	·096	·009	·087
43 D.	Do.	3,360	·160	·017	·143
44 A.	Mahogany	2,240	·086	·003	·083
44 A.	Do.	3,360	·120	·006	·114
44 A.	Do.	4,480	·177	·020	·157
44 A.	Do.	5,600	·190	·033	·157
44 BB.	Do.	2,240	·078	·006	·072
44 BB.	Do.	3,360	·116	·012	·104
44 BB.	Do.	4,480	·187	·034	·153
44 DD.	Do.	2,240	·083	·002	·081
44 DD.	Do.	3,360	·126	·019	·107
44 DD.	Do.	4,480	·199	·027	·172
46 A.	Stringy Bark of Coast	2,240	·070	·009	·061
46 A.	Do.	3,360	·098	·010	·088
46 A.	Do.	4,480	·131	·018	·113
46 A.	Do.	5,600	·184	·032	·152
46 C.	Do.	2,240	·057	·0	·057
46 C.	Do.	3,360	·081	·0	·081
46 C.	Do.	4,480	·114	·0	·114
46 C.	Do.	5,600	·155	·020	·135
47 A.	Stringy Bark	2,240	·071	·002	·069
47 A.	Do.	3,360	·092	·008	·084
47 A.	Do.	4,480	·122	·016	·106
47 A.	Do.	5,600	·170	·038	·132
48 A.	Stringy Bark, Camden	2,240	·069	·0	·069
48 A.	Do.	3,360	·091	·002	·089
48 A.	Do.	4,480	·121	·009	·112
48 A.	Do.	5,600	·230	·030	·200
48 C.	Do.	2,240	·072	·002	·070
48 C.	Do.	3,360	·096	·005	·091
48 C.	Do.	4,480	·131	·011	·120
48 C.	Do.	5,600	·195	·028	·167
49 A.	Stringy Bark, Berrima	2,240	·069	·0	·069
49 A.	Do.	3,360	·098	·0	·098
49 A.	Do.	4,480	·146	·010	·136
49 A.	Do.	5,600	·261	·039	·232
49 C.	Do.	2,240	·064	·0	·064
49 C.	Do.	3,360	·093	·0	·093
49 C.	Do.	4,480	·129	·008	·121
52 A.	Apple Tree of Coast	2,240	·074	·0	·074
52 A.	Do.	3,360	·109	·006	·103
52 A.	Do.	4,480	·180	·020	·160
52 C.	Do.	2,240	·076	·002	·074
52 C.	Do.	3,360	·118	·010	·108
53 A.	Apple Tree	2,240	·124	·008	·116
53 C.	Do.	2,240	·159	·016	·143
54 A.	Turpentine Tree	2,240	·078	·0	·078
54 A.	Do.	3,360	·112	·001	·111
54 A.	Do.	4,480	·163	·016	·147
55 A.	Water Gum	2,240	·081	·006	·075
55 A.	Do.	3,360	·115	·008	·107
55 A.	Do.	4,480	·171	·030	·141

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
NEW SOUTH WALES (S.) BK. 1.					
55 A.	Water Gum -	5,600	'256	'056	'200
57 A.	Hickory -	2,240	'077	'004	'073
57 A.	Do. -	3,360	'116	'013	'103
57 A.	Do. -	4,480	'173	'032	'141
57 A.	Do. -	5,600	'400	'109	'291
57 C.	Do. -	2,240	'099	'006	'093
57 C.	Do. -	3,360	'156	'018	'138
57 C.	Do. -	4,480	'276	'061	'215
59 A.	Prickly Tea Tree -	2,240	'106	'004	'102
59 A.	Do. -	3,360	'210	'048	'162
60 A.	Common Tea Tree -	2,240	'106	'004	'102
60 A.	Do. -	3,360	'161	'012	'149
60 C.	Do. -	2,240	'118	'005	'113
64 A.	Broad-leaved Tea Tree	2,240	'070	'0	'070
64 A.	Do. -	3,360	'102	'001	'101
64 A.	Do. -	4,480	'157	'011	'146
70 A.	Myrtle -	2,240	'078	'004	'074
70 A.	Do. -	3,360	'103	'006	'097
70 A.	Do. -	4,480	'154	'017	'137
70 A.	Do. -	5,600	'227	'040	'187
84 A.	Black Wattle of Illawarra	2,240	'068	'001	'067
84 A.	Do. -	3,360	'078	'005	'073
84 A.	Do. -	4,480	'111	'012	'099
84 A.	Do. -	5,600	'170	'029	'141
105 A.	River or White Oak	2,240	'078	'006	'072
105 A.	Do. -	3,360	'110	'011	'099
105 A.	Do. -	4,480	'152	'020	'132
105 A.	Do. -	5,600	'223	'040	'183
108 A.	Beech Brush Cherry	2,240	'166	'024	'142
108 A.	Do. -	3,360	'322	'082	'240
120 B.	Teak Wood -	2,240	'123	'018	'105
125 B.	Maiden's Blush	2,240	'208	'045	'163
125 D.	Do. -	2,240	'169	'036	'133
127 A.	Tamarind Tree	2,240	'090	'004	'086
127 A.	Do. -	3,360	'176	'024	'152
136 A.	White Maple	2,240	'223	'044	'184
136 B.	Do. -	2,240	'128	'013	'115
136 C.	Do. -	2,240	'112	'014	'098
137 A.	Do. -	2,240	'100	'013	'087
137 A.	Do. -	3,360	'157	'028	'129
137 B.	Do. -	4,480	'271	'070	'201
137 B.	Do. -	2,240	'080	'003	'077
137 B.	Do. -	3,360	'116	'010	'106
140 A.	Light Wood	4,480	'173	'028	'145
140 B.	Do. -	2,240	'145	'021	'124
140 B.	Do. -	2,240	'094	'007	'087
154 A.	Red Ash	3,360	'176	'032	'144
154 A.	Do. -	2,240	'076	'0	'076
154 A.	Do. -	3,360	'114	'004	'110
155 A.	Light Wood	4,480	'181	'020	'161
155 A.	Do. -	2,240	'083	'002	'081
155 A.	Do. -	3,360	'114	'014	'100
155 B.	Do. -	4,480	'183	'033	'150
155 B.	Do. -	2,240	'074	'002	'072
155 B.	Do. -	3,360	'102	'005	'097
171 A.	White Beech	4,480	'158	'022	'136
171 D.	Do. -	2,240	'188	'017	'171
177 A.	Mountain Ash	2,240	'152	'019	'133
177 A.	Do. -	2,240	'082	'0	'082
177 C.	Do. -	3,360	'136	'008	'128
177 C.	Do. -	2,240	'089	'0	'089
177 D.	Do. -	3,360	'154	'012	'142
177 D.	Do. -	2,240	'088	'005	'083
		3,360	'166	'023	'143
QUEENSLAND.					
1 Aa.	Bunya Bunya				
1 Ab.	Do. -	2,240	'192	'060	'132
1 B.	Do. -	2,240	'164	'040	'124
2 A.	Moreton Bay Pine	2,240	'162	'050	'112
2 Aa.	Do. -	2,240	'430	'120	'310
		2,240	'248	'083	'165

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
QUEENSLAND.					
5 A.	She Pine	2,240	.144	.021	.123
5 Aa.	Do.	2,240	.098	.0	.098
6 A.	Forest Oak	2,240	.065	.0	.065
6 A.	Do.	3,360	.088	.0	.088
6 A.	Do.	4,480	.114	.004	.110
6 A.	Do.	5,600	.153	.011	.142
6 Aa.	Do.	2,240	.186	.013	.173
6 Aa.	Do.	3,360	.128	.018	.110
7 A.	River Oak	2,240	.115	.010	.105
8 A.	Shingle Oak	2,240	.101	.0	.101
8 A.	Do.	2,240	.133	.015	.118
9 A.	Swamp Oak	2,240	.058	.002	.056
9 A.	Do.	3,360	.083	.008	.075
9 A.	Do.	4,480	.116	.012	.104
10 A.	Red Cedar	2,240	.188	.027	.161
10 Aa.	Do.	2,240	.234	.036	.198
11 A.	Light Yellow Wood	2,240	.094	.008	.086
11 A.	Do.	3,360	.165	.018	.147
11 Aa.	Do.	2,240	.094	.010	.084
11 Aa.	Do.	3,360	.170	.030	.140
12 A.	Flindosa	2,240	.063	.005	.058
12 A.	Do.	3,360	.091	.006	.085
12 A.	Do.	4,480	.124	.007	.117
12 A.	Do.	5,600	.187	.017	.170
12 A.	Do.	6,720	.328	.037	.291
12 Aa.	Do.	2,240	.060	.001	.059
12 Aa.	Do.	3,360	.086	.003	.083
12 Aa.	Do.	4,480	.121	.008	.113
12 Aa.	Do.	5,600	.188	.022	.166
12 Aa.	Do.	6,720	.410	.063	.347
13 A.	-	2,240	.094	.006	.088
13 A.	-	3,360	.122	.019	.103
13 Aa.	-	2,240	.092	.009	.083
13 Aa.	-	3,360	.202	.046	.156
15 A.	Silky Oak	2,240	.192	.019	.173
15 Aa.	Do.	2,240	.137	.014	.123
17 A.	Tulip Tree	2,240	.082	.009	.073
17 A.	Do.	3,360	.373	.086	.287
17 Aa.	Do.	2,240	.077	.007	.070
17 Aa.	Do.	3,360	.153	.024	.129
19 A.	Light Wood	2,240	.078	.007	.071
19 A.	Do.	3,360	.112	.012	.100
19 A.	Do.	4,480	.160	.023	.137
19 A.	Do.	5,600	.275	.055	.220
19 Aa.	Do.	2,240	.068	.002	.066
19 Aa.	Do.	3,360	.100	.006	.094
19 Aa.	Do.	4,480	.151	.015	.136
19 Aa.	Do.	5,600	.267	.044	.223
20 A.	Callum	2,240	.070	.003	.067
20 A.	Do.	3,360	.096	.003	.093
20 A.	Do.	4,480	.132	.005	.127
20 A.	Do.	6,720	.185	.008	.177
20 A.	Do.	7,840	.238	.016	.222
20 Aa.	Do.	2,240	.105	.010	.095
20 Ba.	Do.	2,240	.106	.004	.102
21 A.	Cabbage Tree	2,240	.160	.018	.142
23 A.	Mountain Ash	2,240	.074	.0	.074
23 A.	Do.	3,360	.110	.002	.108
23 Aa.	Do.	2,240	.058	.0	.058
23 Aa.	Do.	3,360	.080	.003	.077
23 Aa.	Do.	4,480	.107	.008	.099
23 Aa.	Do.	5,600	.146	.013	.133
23 Aa.	Do.	6,720	.210	.018	.192
24 A.	Broad-leaved Cherry	2,240	.061	.0	.061
24 A.	Do.	3,360	.082	.002	.080
24 A.	Do.	4,480	.107	.004	.103
24 A.	Do.	5,600	.140	.009	.131
24 Aa.	Do.	2,240	.053	.0	.058
24 Aa.	Do.	3,360	.085	.002	.083
24 Aa.	Do.	4,480	.119	.008	.111
24 Aa.	Do.	5,600	.173	.019	.154
25 A.	Cherry	2,240	.186	.032	.154
25 Aa.	Do.	2,240	.106	.008	.098

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
QUEENSLAND.					
25 Aa.	Cherry	3,360	'164	'015	'149
28 A.	Mangrove	2,240	'123	'010	'113
28 A.	Do.	3,360	'178	'016	'162
28 Aa.	Do.	2,240	'153	'010	'143
29 A.	Lignum Vitæ	2,240	'081	'0	'081
29 A.	Do.	3,360	'112	'0	'112
29 Aa.	Do.	4,480	'156	'002	'154
29 Aa.	Do.	2,240	'076	'003	'073
29 Aa.	Do.	3,360	'103	'006	'097
29 Aa.	Do.	4,480	'140	'011	'129
30 A.	Beech	5,560	'212	'022	'190
30 Aa.	Do.	2,240	'116	'008	'108
30 Aa.	Do.	2,240	'107	'006	'101
31 A.	White Cedar	3,360	'308	'042	'266
32 Aa.	Plum Tree	2,240	'163	'035	'128
32 Aa.	Do.	2,240	'062	'0	'062
32 Aa.	Do.	3,360	'092	'003	'089
32 B.	Do.	4,480	'147	'016	'131
32 B.	Do.	2,240	'072	'003	'069
32 B.	Do.	3,360	'120	'014	'106
33 A.	Rosewood	4,480	'210	'040	'170
33 A.	Do.	2,240	'089	'004	'085
33 Aa.	Do.	3,360	'155	'019	'136
33 Aa.	Do.	2,240	'104	'010	'094
34 A.	Dark Yellow Wood	3,360	'244	'044	'200
34 A.	Do.	2,240	'078	'004	'074
35 A.	Cugerie	3,360	'125	'009	'116
35 Aa.	Do.	2,240	'158	'015	'143
35 Aa.	Do.	2,240	'104	'010	'094
36 A.	-	3,360	'278	'050	'228
36 A.	-	2,240	'075	'012	'063
36 A.	-	3,360	'109	'015	'094
36 Aa.	-	4,480	'154	'021	'133
36 Aa.	-	2,240	'066	'0	'066
36 Aa.	-	3,360	'094	'0	'094
38 A.	Grey Plum	2,240	'179	'020	'159
38 Aa.	Do.	2,240	'157	'015	'142
39 A.	Sassafras	2,240	'138	'009	'120
39 A.	Do.	2,240	'132	'008	'124
39 Aa.	Do.	3,360	'203	'029	'174
40 A.	-	2,240	'156	'021	'135
40 A.	-	2,240	'084	'007	'077
40 Aa.	-	3,360	'142	'019	'123
40 Aa.	-	2,240	'097	'010	'087
40 Aa.	-	3,360	'138	'022	'116
41 A.	-	4,480	'237	'044	'193
43 Aa.	Tamarind Tree	2,240	'154	'048	'106
43 Aa.	Do.	2,240	'094	'007	'087
44 A.	Tulip Wood	3,360	'163	'026	'142
44 A.	Do.	2,240	'062	'0	'062
44 A.	Do.	3,360	'093	'003	'090
44 A.	Do.	4,480	'147	'015	'132
44 Aa.	Do.	5,600	'209	'067	'232
44 Aa.	Do.	2,240	'060	'002	'058
44 Aa.	Do.	3,360	'086	'006	'080
44 Aa.	Do.	4,480	'125	'013	'113
45 A.	-	5,600	'205	'030	'175
45 A.	-	2,240	'063	'0	'063
45 A.	-	3,360	'087	'002	'085
45 Aa.	-	4,480	'174	'016	'158
45 Aa.	-	2,240	'083	'007	'076
46 A.	-	3,360	'128	'017	'111
46 A.	-	4,480	'228	'034	'194
46 A.	-	2,240	'090	'0	'090
46 A.	-	3,360	'129	'004	'125
46 Aa.	-	4,480	'219	'020	'199
46 Aa.	-	2,240	'081	'004	'077
46 Aa.	-	3,360	'122	'009	'113
47 A.	Lime Tree	4,480	'192	'020	'172
47 A.	Do.	2,240	'081	'006	'075
47 A.	Do.	3,360	'135	'019	'116
47 Aa.	Do.	4,480	'260	'065	'195
47 Aa.	-	2,240	'100	'014	'086

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
QUEENSLAND.					
48 A.	-	2,240	·072	·008	·064
48 A.	-	3,360	·098	·010	·088
48 A.	-	4,480	·135	·015	·120
48 A.	-	5,600	·205	·031	·174
48 Aa.	-	2,240	·056	·001	·055
48 Aa.	-	3,360	·079	·006	·073
48 Aa.	-	4,480	·104	·008	·096
48 Aa.	-	5,600	·142	·013	·129
48 Aa.	-	6,720	·222	·026	·196
49 A.	-	2,240	·114	·003	·111
49 A.	-	3,360	·199	·017	·182
49 Aa.	-	2,240	·084	·0	·084
49 Aa.	-	3,360	·120	·002	·118
49 Aa.	-	4,480	·217	·018	·199
50 A.	-	2,240	·118	·005	·113
50 A.	-	3,360	·238	·026	·212
50 Aa.	-	2,240	·076	·005	·071
51 A.	-	2,240	·142	·022	·120
52 A.	-	2,240	·120	·006	·114
52 Aa.	-	2,240	·085	·0	·085
52 Aa.	-	3,360	·140	·006	·134
53 A.	-	2,240	·080	·006	·074
53 A.	-	3,360	·118	·014	·104
53 A.	-	4,480	·209	·035	·174
53 Aa.	-	2,240	·080	·007	·073
53 Aa.	-	3,360	·112	·012	·100
53 Aa.	-	4,480	·204	·030	·174
54 A.	-	2,240	·077	·0	·077
54 A.	-	3,360	·110	·012	·098
54 A.	-	4,480	·157	·026	·131
54 Aa.	-	2,240	·081	·010	·071
54 Aa.	-	3,360	·122	·022	·100
54 Aa.	-	4,480	·189	·335	·154
55 A.	-	2,240	·077	·0	·077
55 A.	-	3,360	·119	·002	·117
55 A.	-	4,480	·204	·018	·186
55 Aa.	-	2,240	·076	·004	·072
55 Aa.	-	3,360	·115	·006	·109
55 Aa.	-	4,480	·186	·017	·169
56 A.	-	2,240	·161	·027	·134
56 Aa.	-	2,240	·116	·017	·099
57 A.	Iron Wood	2,240	·064	·004	·060
57 A.	Do.	3,360	·094	·009	·085
57 A.	Do.	4,480	·140	·018	·126
57 A.	Do.	5,600	·219	·038	·181
58 A.	Myrtle	2,240	·056	·003	·053
58 A.	Do.	3,360	·078	·006	·072
58 A.	Do.	4,480	·110	·009	·101
58 A.	Do.	5,600	·160	·020	·140
58 A.	Do.	6,720	·265	·048	·217
58 Aa.	Do.	2,240	·068	·0	·068
58 Aa.	Do.	3,360	·097	·008	·089
58 Aa.	Do.	4,480	·137	·015	·122
58 Aa.	Do.	5,600	·210	·030	·180
59 A.	-	2,240	·079	·006	·073
59 A.	-	3,360	·124	·018	·106
59 A.	-	4,480	·280	·074	·206
59 Aa.	-	2,240	·125	·008	·117
60 A.	-	2,240	·088	·003	·085
60 A.	-	3,360	·135	·010	·125
60 A.	-	4,480	·224	·032	·192
60 Aa.	-	2,240	·092	·0	·092
60 Aa.	-	3,360	·137	·009	·126
60 Aa.	-	4,480	·230	·037	·193
61 A.	-	2,240	·065	·0	·065
61 A.	-	3,360	·085	·0	·085
61 A.	-	4,480	·112	·0	·112
61 A.	-	5,600	·148	·003	·145
61 A.	-	6,720	·201	·008	·193
61 Aa.	-	2,240	·066	·0	·066
61 Aa.	-	3,360	·091	·0	·091
61 Aa.	-	4,480	·126	·002	·124
61 Aa.	-	5,600	·178	·012	·166

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
QUEENSLAND.					
62 A.	Box	2,240	·110	·006	·104
62 A.	-	3,360	·181	·022	·159
63 A.	Black Iron Bark	2,240	·053	·0	·053
63 A.	Do.	3,360	·070	·0	·070
63 A.	Do.	4,480	·092	·0	·092
63 A.	Do.	5,600	·120	·0	·120
63 A.	Do.	6,720	·165	·018	·147
63 A.	Do.	7,840	·216	·048	·168
63 Aa.	Do.	2,240	·059	·002	·057
63 Aa.	Do.	3,360	·078	·006	·072
63 Aa.	Do.	4,480	·104	·009	·095
63 Aa.	Do.	5,600	·144	·017	·127
63 Aa.	Do.	6,720	·201	·030	·171
64 A.	Grey Iron Bark	2,240	·051	·0	·051
64 A.	Do.	3,360	·068	·0	·068
64 A.	Do.	4,480	·090	·0	·090
64 A.	Do.	5,600	·122	·006	·116
64 A.	Do.	6,720	·185	·030	·155
64 Aa.	Do.	2,240	·052	·004	·048
64 Aa.	Do.	3,360	·069	·006	·063
64 Aa.	Do.	4,480	·090	·008	·082
64 Aa.	Do.	5,600	·118	·013	·105
64 Aa.	Do.	6,720	·161	·027	·134
64 Aa.	Do.	7,840	·235	·048	·187
65 A.	Red Iron Bark	2,240	·054	·0	·054
65 A.	Do.	3,360	·072	·0	·072
65 A.	Do.	4,480	·096	·0	·096
65 A.	Do.	5,600	·128	·006	·122
65 A.	Do.	6,720	·180	·023	·157
65 Aa.	Do.	2,240	·054	·0	·054
65 Aa.	Do.	3,360	·073	·0	·073
65 Aa.	Do.	4,480	·098	·006	·092
65 Aa.	Do.	5,600	·132	·010	·122
65 Aa.	Do.	6,720	·177	·025	·152
66 A.	Stringy Bark	2,240	·069	·0	·069
66 A.	Do.	3,360	·094	·001	·093
66 A.	Do.	4,480	·129	·006	·123
66 Aa.	Do.	2,240	·070	·0	·070
66 Aa.	Do.	3,360	·095	·0	·095
66 Aa.	Do.	4,480	·130	·007	·123
67 A.	Spotted Gum	2,240	·060	·002	·058
67 A.	Do.	3,360	·082	·002	·080
67 A.	Do.	4,480	·108	·005	·103
67 A.	Do.	5,600	·144	·008	·136
67 Aa.	Do.	2,240	·052	·003	·040
67 Aa.	Do.	3,360	·071	·006	·065
67 Aa.	Do.	4,480	·094	·006	·088
67 Aa.	Do.	5,600	·121	·012	·109
67 Aa.	Do.	6,720	·158	·021	·137
68 A.	Turpentine Tree	2,240	·062	·0	·062
68 A.	Do.	3,360	·082	·003	·079
68 A.	Do.	4,480	·110	·009	·101
68 Aa.	Do.	2,240	·060	·0	·060
68 Aa.	Do.	3,360	·084	·0	·084
68 Aa.	Do.	4,480	·120	·006	·114
68 Ab.	Do.	5,600	·182	·028	·154
69 A.	Smooth-barked Gum	2,240	·075	·002	·073
69 A.	Do.	3,360	·114	·010	·104
69 A.	Do.	4,480	·196	·026	·170
69 Aa.	Do.	2,240	·098	·007	·091
70 A.	Blood Wood	2,240	·120	·011	·109
70 A.	Do.	3,360	·191	·033	·153
70 Aa.	Do.	2,240	·110	·010	·100
70 Aa.	Do.	3,360	·174	·030	·144
71 A.	Swamp Mahogany	2,240	·060	·0	·060
71 A.	Do.	3,360	·084	·002	·082
71 A.	Do.	4,480	·101	·004	·097
71 Aa.	Do.	2,240	·074	·0	·074
72 A.	Woolly Butt	3,360	·096	·003	·093
72 A.	Do.	2,240	·056	·0	·056
72 A.	Do.	3,360	·072	·0	·072
72 A.	Do.	4,480	·096	·003	·093
72 A.	Do.	5,600	·123	·008	·115

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
QUEENSLAND.					
72 A.	Woolly Butt	6,720	·214	·028	·186
72 A.A.	Do.	2,240	·052	·0	·052
72 A.A.	Do.	3,360	·072	·0	·072
72 A.A.	Do.	5,600	·122	·008	·114
72 A.A.	Do.	6,720	·164	·018	·146
73 A.	Blue Gum	2,240	·070	·0	·070
73 A.	Do.	3,360	·096	·002	·094
73 A.	Do.	4,480	·156	·015	·141
73 A.	Do.	5,600	·288	·062	·226
73 A.A.	Do.	2,240	·070	·0	·070
73 A.A.	Do.	3,360	·100	·004	·096
73 A.A.	Do.	4,480	·158	·020	·138
76 A.	Prickly-leaved Tea Tree	2,240	·120	·006	·114
76 A.	Do.	3,360	·200	·028	·172
76 A.A.	Do.	2,240	·152	·014	·138
77 A.	Broad-leaved Tea Tree	2,240	·122	·010	·112
79 A.	Common Tea Tree	2,240	·084	·0	·084
79 A.	Do.	3,360	·122	·005	·117
79 A.	Do.	4,480	·197	·028	·169
79 A.A.	Do.	2,240	·087	·004	·083
79 A.A.	Do.	3,360	·125	·010	·115
79 A.A.	Do.	4,480	·199	·026	·173
80 A.	-	2,240	·118	·001	·117
80 A.	-	3,360	·193	·018	·175
80 A.	-	4,480	·406	·082	·324
80 A.A.	Bottle Brush Tree	2,240	·100	·004	·096
80 A.A.	Do.	3,360	·152	·019	·133
80 A.A.	Do.	4,480	·289	·050	·239
81 A.	-	2,240	·067	·0	·067
81 A.	-	3,360	·104	·005	·099
81 A.	-	4,480	·169	·018	·151
81 A.A.	-	2,240	·057	·0	·057
81 A.A.	-	3,360	·084	·002	·082
81 A.A.	-	4,480	·125	·011	·114
83 A.	-	2,240	·098	·007	·091
83 A.A.	-	2,240	·078	·004	·074
83 A.A.	-	3,360	·115	·009	·106
84 A.	Satin Wood	2,240	·068	·002	·066
84 A.	Do.	3,360	·100	·012	·088
84 A.	Do.	4,480	·236	·038	·198
84 A.A.	Do.	2,240	·062	·002	·060
84 A.A.	Do.	3,360	·103	·010	·093
84 A.A.	Do.	4,480	·204	·034	·170
87 A.	Leichhardt's Wood	2,240	·177	·022	·155
87 A.A.	Do.	2,240	·188	·033	·155
88 A.	-	2,240	·068	·0	·068
88 A.	-	3,360	·095	·0	·095
88 A.	-	4,480	·135	·004	·131
88 A.A.	-	2,240	·060	·0	·060
88 A.A.	-	3,360	·088	·002	·086
88 A.A.	-	4,480	·172	·012	·160
88 A.A.	-	5,600	·281	·034	·197
89 A.	-	2,240	·083	·006	·077
89 A.	-	3,360	·128	·012	·116
90 A.	-	2,240	·068	·0	·068
90 A.	-	3,360	·100	·004	·096
90 A.	-	4,480	·143	·010	·133
91 A.	Crab Tree	2,240	·080	·003	·077
91 A.	Do.	3,360	·111	·005	·106
91 A.	Do.	4,480	·145	·009	·136
92 B.	-	2,240	·190	·058	·032
93 A.	-	2,240	·073	·002	·071
93 A.	-	3,360	·112	·009	·103
93 A.	-	4,480	·209	·035	·174
93 A.A.	-	2,240	·071	·0	·071
93 A.A.	-	3,360	·118	·012	·106
93 A.A.	-	4,480	·250	·076	·174
94 A.	-	2,240	·071	·0	·071
94 A.	-	3,360	·110	·003	·107
97 A.	-	2,240	·066	·0	·066
97 A.	-	3,360	·092	·0	·092
97 A.	-	4,480	·130	·002	·128
97 A.	-	5,600	·200	·016	·184

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
QUEENSLAND.					
99 A.	Bean Tree	2,240	·150	·016	·134
99 Aa.	Do.	2,240	·093	·0	·093
99 Aa.	Do.	3,360	·155	·010	·145
100 Aa.	-	2,240	·128	·001	·127
102 Aa.	-	2,240	·130	·010	·120
102 B.	-	2,240	·236	·020	·216
104 A.	-	2,240	·087	·0	·087
104 A.	-	3,360	·126	·008	·118
104 A.	-	4,480	·182	·017	·165
104 Aa.	-	2,240	·085	·0	·085
104 Aa.	-	3,360	·123	·002	·121
104 Aa.	-	4,480	·195	·016	·179
104 Aa.	-	5,600	·276	·046	·230
105 A.	-	2,240	·120	·012	·108
105 Aa.	-	2,240	·108	·010	·098
105 A.	-	2,240	·070	·002	·063
105 A.	-	3,360	·111	·005	·106
106 Aa.	-	2,240	·070	·0	·070
106 Aa.	-	3,360	·098	·004	·094
106 Aa.	-	4,480	·149	·014	·135
106 Ba.	-	2,240	·065	·0	·065
106 Ba.	-	3,360	·097	·005	·092
106 Ba.	-	4,480	·146	·018	·128
106 Ca.	-	2,240	·073	·006	·067
106 Ca.	-	3,360	·104	·010	·094
106 Ca.	-	4,480	·153	·019	·134
108 A.	-	2,240	·056	·0	·056
108 A.	-	3,360	·080	·0	·080
108 A.	-	4,480	·111	·004	·107
108 A.	-	5,600	·156	·014	·142
108 A.	-	6,720	·259	·040	·219
108 Aa.	-	2,240	·068	·002	·066
108 Aa.	-	3,360	·092	·005	·087
108 Aa.	-	4,480	·129	·008	·121
108 Aa.	-	5,600	·183	·020	·163
109 A.	Olive Tree	2,240	·055	·003	·052
109 A.	Do.	3,360	·080	·007	·073
109 A.	Do.	4,480	·109	·010	·099
109 A.	Do.	5,600	·152	·013	·139
109 A.	Do.	6,720	·274	·045	·229
109 Aa.	Do.	2,240	·053	·0	·053
109 Aa.	Do.	3,360	·071	·002	·069
109 Aa.	Do.	4,480	·098	·006	·092
109 Aa.	Do.	5,600	·138	·015	·123
109 Aa.	Do.	6,720	·220	·035	·185
110 A.	-	2,240	·075	·001	·074
110 A.	-	3,360	·106	·005	·101
110 Aa.	-	2,240	·072	·0	·072
110 Aa.	-	3,360	·122	·005	·117
111 A.	-	2,240	·082	·003	·059
111 A.	-	3,360	·083	·006	·077
111 A.	-	4,480	·113	·008	·105
111 Aa.	-	2,240	·073	·001	·072
111 Aa.	-	3,360	·106	·007	·099
111 Aa.	-	4,480	·196	·026	·170
112 A.	-	2,240	·080	·004	·076
112 A.	-	3,360	·146	·018	·128
113 A.	Mangrove	2,240	·088	·0	·088
113 A.	Do.	3,360	·126	·002	·124
113 A.	Do.	4,480	·196	·013	·183
113 Aa.	Do.	2,240	·091	·001	·090
113 Aa.	Do.	3,360	·129	·005	·124
113 Aa.	Do.	4,480	·190	·008	·172
114 B.	-	2,240	·148	·007	·141
115 A.	-	2,240	·065	·007	·058
115 A.	-	3,360	·092	·009	·083
115 A.	-	4,480	·120	·011	·109
115 A.	-	5,600	·159	·016	·143
115 A.	-	6,720	·213	·025	·188
116 A.	-	2,240	·101	·009	·092
116 A.	-	3,360	·196	·029	·167
117 A.	Rosewood	2,240	·060	·005	·055
117 A.	Do.	3,360	·080	·007	·073

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
QUEENSLAND.					
117 A.	Rosewood	4,480	·104	·009	·095
117 A.	Do.	5,600	·138	·016	·122
117 A.	Do.	6,720	·196	·023	·173
117 Ad.	Do.	2,240	·078	·002	·076
117 Ad.	Do.	3,360	·107	·003	·104
117 Ad.	Do.	4,480	·148	·008	·140
118 Ad.	-	2,240	·074	·003	·071
118 Ad.	-	3,360	·111	·007	·104
120 A.	-	2,240	·046	·0	·046
120 A.	-	3,360	·063	·0	·063
120 A.	-	4,480	·079	·0	·079
120 A.	-	5,600	·102	·001	·101
120 A.	-	6,720	·128	·003	·125
120 A.	-	7,840	·164	·006	·158
120 A.	-	8,960	·200	·012	·188
121 Ad.	Weeping Myall	2,240	·050	·0	·050
121 Ad.	Do.	3,360	·068	·0	·068
121 Ad.	Do.	4,480	·085	·0	·085
121 Ad.	Do.	5,600	·103	·0	·103
121 Ad.	Do.	6,720	·128	·003	·125
121 Ad.	Do.	7,840	·153	·007	·145
121 Ad.	Do.	8,960	·219	·018	·201
121 A.	Do.	2,240	·052	·0	·052
121 A.	Do.	3,360	·072	·0	·072
121 A.	Do.	4,480	·094	·0	·094
121 A.	Do.	6,720	·160	·011	·149
121 A.	Do.	7,840	·212	·021	·191
122 A.	Bricklow	2,240	·057	·006	·051
122 A.	Do.	3,360	·075	·006	·069
122 A.	Do.	4,480	·094	·007	·087
122 A.	Do.	5,600	·113	·009	·104
122 A.	Do.	6,720	·151	·013	·138
122 A.	Do.	7,840	·206	·020	·186
122 Ad.	Do.	2,240	·067	·003	·064
122 Ad.	Do.	3,360	·090	·004	·086
122 Ad.	Do.	4,480	·120	·010	·110
122 Ad.	Do.	5,600	·157	·016	·141
122 Ad.	Do.	6,720	·213	·022	·191
123 A.	Acacia	2,240	·071	·0	·071
123 A.	Do.	3,360	·104	·036	·068
123 A.	Do.	4,480	·144	·012	·132
123 A.	Do.	5,600	·209	·026	·183
RUSSIA.					
2 A.	Larch	2,240	·226	·042	·184
3 A.	Do.	2,240	·142	·010	·132
4 B.	Do.	2,240	·220	·018	·202
5 B.	Do.	2,240	·168	·026	·142
6 A.	Riga Oak	2,240	·122	·008	·114
6 A.	Do.	3,360	·307	·064	·243
6 C.	Do.	2,240	·193	·034	·159
TASMANIA.					
8 A.	Black Wood	2,240	·062	·006	·056
8 A.	Do.	3,360	·086	·006	·080
8 A.	Do.	4,480	·145	·020	·125
8 C.	Do.	2,240	·078	·014	·064
8 C.	Do.	3,360	·130	·021	·109
8 C.	Do.	4,480	·271	·054	·217
8 Ad.	Do.	2,240	·061	·0	·061
8 Ad.	Do.	3,360	·095	·001	·094
8 Ad.	Do.	4,480	·180	·019	·161
8 Ca.	Do.	2,240	·078	·005	·073
8 Ca.	Do.	3,360	·116	·008	·108
8 Ca.	Do.	4,480	·186	·023	·163
8 Ce.	Do.	2,240	·076	·005	·071
8 Ce.	Do.	3,360	·116	·010	·106
8 Ce.	Do.	4,480	·270	·047	·223

TABLE VIII.—continued.

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
TASMANIA.					
85 A.	Peppermint	2,240	•116	•015	•101
85 A.	Do.	3,360	•193	•036	•157
85 C.	Do.	2,240	•091	•014	•077
85 C.	Do.	3,360	•135	•029	•106
85 C.	Do.	4,480	•254	•075	•179
85 C.	Do.	2,240	•128	•020	•108
93/94 A.	Myrtle	3,360	•310	•088	•222
93/94 A.	Do.	2,240	•104	•013	•091
93/94 C.	Do.	3,360	•335	•076	•259
93/94 C.	Do.	2,240	•136	•019	•117
97 A.	White Gum	3,360	•197	•032	•165
97 A.	Do.	2,240	•089	•014	•075
369 A.	Tea Tree	3,360	•247	•062	•185
369 A.	Do.	2,240	•090	•011	•079
369 C.	Do.	3,360	•158	•055	•103
369 C.	Do.	2,240	•058	•012	•046
373 Ca.	Springy Bark	3,360	•078	•012	•068
373 Ca.	Do.	4,480	•102	•015	•087
373 Ca.	Do.	5,600	•138	•024	•114
373 Ca.	Do.	6,720	•198	•039	•159
373 Ca.	Do.	2,240	•074	•009	•065
373 Ca.	Do.	3,360	•104	•010	•094
373 Ca.	Do.	4,480	•141	•015	•126
373 Ca.	Do.	2,240	•094	•007	•087
374 A.	Blue Gum	3,360	•171	•027	•144
374 A.	Do.	2,240	•106	•009	•097
374 C.	Do.	3,360	•166	•027	•139
374 C.	Do.	2,240	•058	•014	•044
558 C.	Do.	3,360	•084	•016	•068
558 C.	Do.	4,480	•115	•021	•094
558 C.	Do.	5,600	•162	•031	•131
558 C.	Do.	6,720	•246	•062	•184
TRINIDAD.					
155 A.	Tapana	2,240	•078	•0	•078
155 A.	Do.	3,360	•120	•012	•108
155 A.	Do.	4,480	•282	•060	•222
166 A.	Soapnut Tree	2,240	•084	•004	•080
166 A.	Do.	3,360	•147	•014	•133
166 C.	Do.	2,240	•100	•001	•099
166 C.	Do.	2,240	•060	•0	•060
168 A.	Surette	3,360	•082	•003	•079
168 A.	Do.	4,480	•141	•018	•123
168 A.	Do.	2,240	•087	•004	•083
168 C.	Do.	3,360	•151	•018	•133
168 C.	Do.	4,480	•202	•028	•174
169 A.	Paraman	2,240	•098	•0	•098
169 A.	Do.	3,360	•191	•008	•183
169 C.	Do.	2,240	•121	•002	•119
171 A.	Galba	2,240	•096	•0	•096
171 A.	Do.	3,360	•192	•019	•173
171 A.	Do.	4,480	•174	•020	•154
171 C.	Do.	2,240	•117	•023	•094
171 C.	Do.	3,360	•213	•043	•170
185 A.	Noyer	2,240	•080	•0	•080
185 A.	Do.	3,360	•103	•001	•102
185 A.	Do.	4,480	•136	•008	•128
185 C.	Do.	5,600	•186	•018	•168
185 C.	Do.	2,240	•073	•001	•072
185 C.	Do.	3,360	•099	•003	•096
185 C.	Do.	4,480	•132	•009	•123
185 C.	Do.	5,600	•192	•020	•172
186 A.	Mango	2,240	•192	•021	•171
187 A.	Gommier	2,240	•084	•001	•083
187 A.	Do.	3,360	•170	•020	•150
187 C.	Do.	2,240	•101	•0	•101
196 A.	Beef Wood	2,240	•074	•0	•074
196 A.	Do.	3,360	•104	•0	•104
196 A.	Do.	4,480	•154	•009	•145
198 A.	Laurel	2,240	•136	•009	•127
198 A.	Do.	3,360	•194	•023	•171

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
TRINIDAD.					
198 C.	Laurel	2,240	.097	.0	.097
198 C.	Do.	3,360	.224	.030	.194
200 A.	Laurier Canelle	2,240	.076	.0	.076
200 A.	Do.	3,360	.097	.001	.096
200 A.	Do.	4,480	.159	.014	.145
200 A.	Do.	5,600	.185	.016	.169
200 C.	Do.	2,240	.072	.002	.070
200 C.	Do.	3,360	.103	.008	.095
200 C.	Do.	4,480	.166	.015	.151
200 C.	Do.	5,600	.332	.060	.262
201 C.	Laurier Blanc	2,240	.094	.0	.094
201 C.	Do.	3,360	.169	.012	.157
201 A.A.	Do.	2,240	.088	.0	.088
201 A.A.	Do.	3,360	.190	.018	.172
206 A.	Bois de Fer	2,240	.114	.010	.104
206 A.	Do.	3,360	.221	.029	.192
206 A.	Do.	4,480	.207	.024	.083
206 C.	Do.	2,240	.128	.008	.120
206 C.	Do.	3,360	.296	.032	.264
207 A.	Cauto	2,240	.072	.0	.072
207 A.	Do.	3,360	.102	.0	.102
207 A.	Do.	4,480	.155	.007	.148
207 C.	Do.	2,240	.098	.006	.092
212 A.	Balsam Capivi	2,240	.141	.0	.141
212 A.	Do.	3,360	.245	.023	.222
214 A.	Savonette Jaune	2,240	.064	.0	.064
214 A.	Do.	3,360	.085	.003	.082
214 A.	Do.	4,480	.117	.008	.109
214 A.	Do.	5,600	.194	.022	.172
214 C.	Do.	2,240	.065	.0	.065
214 C.	Do.	3,360	.089	.002	.087
214 C.	Do.	4,480	.125	.006	.119
214 C.	Do.	5,600	.184	.016	.168
214 C.	Do.	6,720	.273	.032	.241
216 A.	Purple Heart	2,240	.052	.001	.051
	Do.	3,360			
216 A.	Do.	4,480	.093	.007	.086
	Do.	5,600			
216 A.	Do.	6,720	.150	.018	.132
217 A.	Locust	2,240	.060	.0	.060
217 A.	Do.	3,360	.086	.003	.083
217 A.	Do.	4,480	.113	.012	.101
217 A.	Do.	5,600	.153	.018	.135
217 A.	Do.	6,720	.203	.028	.175
218 A.	-	2,240	.066	.0	.066
218 A.	-	3,360	.084	.003	.081
218 A.	-	4,480	.113	.009	.104
218 A.	-	5,600	.168	.020	.148
218 C.	-	2,240	.069	.0	.069
218 C.	-	3,360	.090	.0	.090
218 C.	-	4,480	.124	.008	.116
218 C.	-	5,600	.205	.022	.183
218 C.	-	2,240	.127	.006	.121
219 A.	Tamarind	3,360	.178	.016	.162
219 A.	Do.	2,240	.105	.006	.099
219 C.	Do.	3,360	.143	.008	.135
219 C.	Do.	2,240	.100	.001	.099
220 A.	Casse	3,360	.140	.006	.134
220 A.	Do.	4,480	.198	.018	.180
221 A.	Guatamare	2,240	.055	.0	.055
221 A.	Do.	3,360	.072	.0	.072
221 A.	Do.	4,480	.090	.0	.090
221 A.	Do.	5,600	.110	.0	.110
221 A.	Do.	6,720	.137	.0	.137
221 A.	Do.	7,840	.175	.007	.168
221 A.	Do.	8,960	.225	.014	.211
222 A.	Bois Mulatre	2,240	.068	.0	.068
222 A.	Do.	3,360	.107	.001	.106
222 A.	Do.	4,480	.206	.012	.194
222 C.	Do.	2,240	.089	.007	.082
222 C.	Do.	3,360	.139	.018	.121
226 A.	Angelin	2,240	.091	.0	.091
226 A.	Do.	3,360	.122	.0	.122
226 A.	Do.	4,480	.167	.008	.159

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
TRINIDAD.					
226 A.	Angelin	5,600	.246	.022	.224
227 A.	Do.	2,240	.130	.003	.127
237 A.	-	2,240	.066	.0	.066
237 A.	-	3,360	.095	.0	.095
237 A.	-	4,480	.136	.002	.134
237 A.	-	5,600	.197	.016	.181
243 A.	Acoma or Mastie	2,240	.064	.0	.064
243 A.	Do.	3,360	.082	.0	.082
243 A.	Do.	4,480	.107	.002	.105
243 A.	Do.	5,600	.147	.006	.141
243 A.	Do.	2,240	.115	.0	.115
248 A.	Cypre	3,360	.260	.030	.230
248 A.	Do.	2,240	.115	.002	.113
248 C.	Do.	2,240	.050	.008	.042
257 B.	Poui	3,360	.066	.010	.056
257 B.	Do.	4,480	.081	.016	.065
257 B.	Do.	6,720	.119	.016	.103
257 B.	Do.	7,840	.165	.022	.143
257 C.	Do.	2,240	.046	.010	.036
257 C.	Do.	4,480	.077	.010	.067
257 C.	Do.	6,720	.113	.012	.101
257 C.	Do.	7,840	.167	.026	.141
262 A.	Olivier	2,240	.072	.0	.072
262 A.	Do.	3,360	.101	.004	.097
262 A.	Do.	4,480	.143	.016	.127
262 C.	Do.	2,240	.075	.0	.075
262 C.	Do.	3,360	.114	.007	.107
262 C.	Do.	4,480	.155	.015	.140
262 C.	Do.	5,600	.254	.029	.225
265 A.	Red Mangrove	2,240	.065	.0	.065
265 A.	Do.	3,360	.091	.0	.091
265 A.	Do.	4,480	.119	.008	.111
265 A.	Do.	5,600	.190	.025	.165
270 A.	Wild Guava	2,240	.090	.0	.090
270 A.	Do.	3,360	.135	.007	.128
270 A.	Do.	4,480	.225	.024	.201
276 A.	Guatcare	2,240	.059	.0	.059
276 A.	Do.	3,360	.083	.0	.083
276 A.	Do.	4,480	.108	.001	.107
276 A.	Do.	5,600	.184	.015	.169
280 A.	Genipa	2,240	.106	.0	.106
280 A.	Do.	3,360	.158	.006	.152
280 A.	Do.	4,480	.270	.020	.250
280 C.	Do.	2,240	.119	.004	.115
280 C.	Do.	3,360	.191	.016	.175
280 C.	Do.	4,480	.348	.045	.303
VICTORIA.					
1 A.	-	2,240	.076	.0	.076
1 A.	-	3,360	.110	.002	.108
1 A.	-	4,480	.143	.008	.135
1 C.	-	2,240	.086	.004	.082
1 C.	-	3,360	.126	.010	.116
2 A.	-	2,240	.082	.010	.072
2 A.	-	3,360	.123	.017	.106
2 A.	-	4,480	.186	.029	.157
2 AG.	-	2,240	.111	.016	.095
2 AG.	-	3,360	.168	.023	.140
2 AG.	-	2,240	.114	.005	.109
2 AG.	-	3,360	.165	.017	.148
2 C.	-	2,240	.086	.007	.079
2 C.	-	3,360	.148	.018	.130
2 C.	-	4,480	.312	.050	.262
2	-	2,240	.087	.006	.081
2	-	3,360	.133	.018	.115
2	-	2,240	.112	.012	.100
2	-	3,360	.158	.024	.134
3 A.	-	2,240	.083	.0	.083
3 A.	-	3,360	.121	.005	.116
3 A.	-	4,480	.204	.030	.174
6 A.	-	2,240	.079	.0	.079
6 A.	-	3,360	.117	.006	.111

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
VICTORIA.					
6 A.	-	4,480	.201	.028	.173
6 C.	-	2,240	.081	.022	.079
6 C.	-	3,360	.136	.015	.121
6 C.	-	4,480	.226	.027	.119
7 A.	-	2,240	.132	.006	.126
7 A.	-	3,360	.215	.034	.171
7 A.	-	4,480	.440	.108	.332
7 C.	-	2,240	.146	.008	.138
7 C.	-	3,360	.270	.040	.230
8 A.	-	2,240	.082	.0	.082
8 A.	-	3,360	.114	.004	.110
8 A.	-	4,480	.166	.017	.149
8 C.	-	2,240	.071	.0	.071
8 C.	-	3,360	.102	.005	.097
8 C.	-	4,480	.161	.022	.139
8 C.	-	5,600	.260	.048	.212
9 A.	-	2,240	.074	.0	.074
9 A.	-	3,360	.104	.004	.100
9 A.	-	4,480	.178	.020	.158
9 C.	-	2,240	.220	.041	.179
10 A.	-	2,240	.110	.009	.101
10 A.	-	3,360	.151	.019	.132
10 A.	-	4,480	.232	.042	.190
10 C.	-	2,240	.107	.006	.101
10 C.	-	3,360	.156	.012	.144
10 O.	-	2,240	.086	.004	.082
10 O.	-	3,360	.127	.008	.119
10 O.	-	4,480	.171	.018	.153
10	-	2,240	.096	.0	.096
10	-	3,360	.165	.016	.149
11 A.	-	2,240	.094	.008	.086
11 A.	-	3,360	.150	.018	.132
14 A.	-	2,240	.123	.017	.106
14 A.	-	3,360	.191	.033	.158
14 A.	-	2,240	.080	.003	.077
14 A.	-	3,360	.116	.010	.106
14 A.	-	4,480	.180	.024	.156
14 A.	-	2,240	.127	.011	.116
14 Ad.	-	3,360	.268	.035	.223
14 Ad.	-	2,240	.194	.021	.173
14 C.	-	2,240	.088	.006	.082
14 C.	-	3,360	.130	.017	.113
14	-	2,240	.090	.018	.072
14	-	3,360	.125	.025	.100
14	-	4,480	.162	.034	.128
15 A.	-	2,240	.128	.007	.121
15 A.	-	3,360	.302	.047	.255
15 C.	-	2,240	.182	.013	.169
16 B.	-	2,240	.162	.009	.153
22 A.	-	2,240	.073	.0	.073
22 A.	-	3,360	.097	.0	.097
22 A.	-	4,480	.128	.004	.124
22 A.	-	5,600	.190	.017	.173
22 C.	-	2,240	.080	.001	.079
22 C.	-	3,360	.109	.005	.104
22 C.	-	4,480	.145	.014	.131
22 C.	-	5,600	.193	.027	.166
28 A.	-	2,240	.076	.003	.073
28 A.	-	3,360	.103	.010	.093
28 A.	-	4,480	.136	.018	.118
28 A.	-	5,600	.194	.028	.166
28 A.	-	2,240	.071	.0	.071
28 A.	-	3,360	.096	.005	.091
28 A.	-	4,480	.129	.010	.119
28 A.	-	5,600	.182	.022	.160
28 C.	-	2,240	.062	.0	.062
28 C.	-	3,360	.094	.007	.087
28 C.	-	4,480	.128	.014	.114
28 C.	-	5,600	.168	.022	.146
29 A.	-	2,240	.082	.004	.078
29 A.	-	3,360	.115	.009	.104
29 A.	-	4,480	.169	.020	.149
29 A.	-	2,240	.089	.007	.082

TABLE VIII.—*continued.*

No. of Specimen.	Local Name.	Weight applied in lbs.	Deflection.	Permanent Set.	Recovery from Deflection on Removal of Strain.
VICTORIA.					
29 A.	-	3,360	.128	.014	.114
29 A.	-	4,480	.192	.023	.169
29 Aa.	-	2,240	.082	.0	.082
29 Aa.	-	3,360	.133	.0	.133
29 Aa.	-	4,480	.306	.0	.306
29 Ac.	-	2,240	.082	.0	.082
29 Ac.	-	3,360	.122	.006	.116
29 Ac.	-	4,480	.183	.022	.161
29 C.	-	2,240	.103	.008	.095
31 A.	-	2,240	.147	.002	.145
33 A.	-	2,240	.114	.013	.101
33 B.	-	2,240	.107	.0	.107
33 B.	-	3,360	.167	.029	.138
33 C.	-	2,240	.110	.007	.103
34 A.	-	2,240	.085	.003	.082
34 A.	-	3,360	.120	.008	.112
34 A.	-	4,480	.180	.020	.160
34 C.	-	2,240	.090	.0	.090
34 C.	-	3,360	.128	.006	.122
34 C.	-	4,480	.182	.019	.163
35 A.	-	2,240	.108	.018	.090
35 C.	-	2,240	.137	.022	.115
36 A.	-	2,240	.158	.018	.140
36 C.	-	2,240	.154	.017	.137
38 A.	-	2,240	.119	.015	.104
38 A.	-	3,360	.215	.034	.181
38 C.	-	2,240	.093	.003	.090
38 C.	-	3,360	.141	.010	.131
39 Ac.	-	4,480	.239	.034	.205
39 Ad.	-	2,240	.303	.070	.233
39 C.	-	2,240	.227	.064	.163
40 A.	-	2,240	.243	.062	.181
40 C.	-	2,240	.223	.034	.196
42 A.	-	2,240	.223	.029	.194
42 A.	-	2,240	.081	.006	.075
42 A.	-	3,360	.126	.013	.113
42 Aa.	-	4,480	.232	.028	.194
42 Ad.	-	2,240	.086	.006	.080
42 Aa.	-	3,360	.126	.019	.107
42 Aa.	-	4,480	.249	.055	.194
42 Ac.	-	2,240	.096	.006	.090
42 Ac.	-	3,360	.150	.016	.134
42 Ac.	-	4,480	.282	.038	.244
42 C.	-	2,240	.079	.008	.071
42 C.	-	3,360	.118	.018	.100
43 A.	-	4,480	.198	.032	.166
43 A.	-	2,240	.110	.013	.097
43 C.	-	3,360	.171	.028	.143
43 C.	-	2,240	.133	.012	.121
45 A.	-	3,360	.204	.043	.161
45 A.	-	2,240	.110	.017	.093
45 C.	-	3,360	.287	.067	.220
45 C.	-	2,240	.086	.013	.073
45 C.	-	3,360	.164	.032	.132

TABLE IX.—SUMMARY OF TABLES.

No. of Specimen.	Name.	Colony.	Table I. Specific Gravity.		Table II. Actual Breaking Weight.		Table III. Mean Breaking Weight.		Table IV. Actual Direct Crushing Weight.		Table V. Mean Direct Crushing Weight.		Table VI. Actual Transverse Crushing Weight.		Table VII. Mean Transverse Crushing Weight.		Table VIII. Elasticity.	
			Distilled Water, weighing 1'000.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
20 A.	Pinus Picea	Austria -	0'408	10	784	13	..	..	..	..	..	..	..	..	..	..	..	..
20 B.	Do.	Do.	..	..	1,036	..	..	..	..	..	..	..	..	..	..	..	..	..
20 C.	Do.	Do.	..	..	1,764	..	..	..	..	..	..	..	..	..	..	..	..	..
20 D.	Do.	Do.	..	..	1,083	..	..	..	..	..	..	..	..	..	..	..	..	..
21 A.	Do.	Do.	0'420	..	1,717	..	..	..	..	..	..	..	..	..	..	..	..	..
21 B.	Do.	Do.	..	..	1,484	..	..	..	..	..	..	..	..	..	..	..	..	..
21 C.	Do.	Do.	..	..	1,904	..	..	..	..	..	..	..	..	..	..	..	..	..
22 A.	Pinus Abies	Do.	0'423	..	1,680	..	..	..	..	..	..	..	..	..	..	..	..	..
22 B.	Do.	Do.	..	..	2,128	..	..	..	..	..	..	..	..	..	..	..	..	..
22 C.	Do.	Do.	..	..	1,908	..	..	..	..	..	..	..	..	..	..	..	..	..
22 D.	Do.	Do.	..	..	2,240	..	..	..	..	..	..	..	..	..	..	..	..	..
24 A.	Do.	Do.	0'427	..	2,184	..	..	80	..	..	..	..	..	..	..	..	..	..
24 B.	Do.	Do.	..	..	4,396	..	..	..	..	..	..	..	..	..	..	..	..	..
24 Aa.	Do.	Do.	..	..	4,480	..	..	..	..	..	..	..	..	..	..	..	..	..
24 Ab.	Do.	Do.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 A.	Monkey Nut	British Guiana -	0'992	3	5,040	13	4,780	76	7,840	81	7,707	137	4,312	145	4,533	207	..	..
4 B.	Do.	Do.	..	..	4,928	..	..	..	8,400	..	..	..	4,331	..	..	..	..	..
4 C.	Do.	Do.	..	..	4,340	..	..	..	7,616	..	..	..	4,452	..	..	..	..	..
4 D.	Do.	Do.	..	..	4,480	..	..	..	6,972	..	..	..	5,040	..	..	..	..	..
5 A.	Kakarilli	Do.	0'774	7	4,480	..	4,312	77	8,792	..	8,862	135	1,904	..	1,904	210	..	213
5 B.	Do.	Do.	..	..	3,360	..	..	..	8,932	..	..	..	..	..	No result.	..	..	..
7 A.	Morabali or Moorabali.	Do.	0'885	6	4,088	..	4,327	76	7,151	..	7,461	138	10,080	145	4,533	210	..	..
7 B.	Do.	Do.	..	..	4,088	..	..	..	7,653	82	..	..	6,356	..	..	..	..	..
7 C.	Do.	Do.	..	..	4,648	..	..	..	7,429	..	..	..	5,413	..	..	..	..	..
7 D.	Do.	Do.	..	..	3,808	..	..	..	7,392	..	..	..	10,080	..	..	..	..	..
14 A.	Houbaballi	Do.	0'715	8	2,884	..	2,373	79	7,877	..	7,516	..	4,032	146	2,310	..	..	..
14 B.	Do.	Do.	..	..	2,128	..	..	..	7,392	..	..	..	1,568	..	..	..	..	..
14 C.	Do.	Do.	..	..	2,632	..	..	..	7,380	..	..	..	2,520	..	..	..	..	..
14 D.	Do.	Do.	..	..	1,848	..	..	..	7,728	..	..	..	1,120	..	..	..	..	..
15 A.	Mora	Do.	0'961	4	..	..	..	..	8,848	..	9,020	135	4,452	..	5,782	205	..	..
	Do.	Do.	..	..	4,928	..	2,373	75	9,352	..	..	..	3,696	..	..	..	..	213

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I.		Table II.		Table III.		Table IV.		Table V.		Table VI.		Table VII.		Table VIII.	
			Distilled Water being 1'000.	Specific Gravity.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	Elasticity.
15 C.	Mora	British Guiana	0.931	4	4,704	13	4,788	75	9,996	82	9,020	135	146	4,900	5,782	205	..	213
15 D.	Do.	Do.	"	"	4,732	"	"	"	8,885	"	"	"	"	10,080	"	"	..	"
16 A.	Burneh, Bully, or Bullet Tree.	Do.	1.062	2	8,288	"	7,903	72	12,040	"	11,722	134	"	3,612	3,572	209	..	"
16 B.	Do.	Do.	"	"	7,224	"	"	"	12,171	"	"	"	"	3,864	"	"	..	"
16 C.	Do.	Do.	"	"	8,904	"	"	"	12,152	"	"	"	"	3,752	"	"	..	"
16 D.	Do.	Do.	"	"	7,196	"	"	"	10,528	"	"	"	"	3,061	"	"	..	"
18 A.	Caraba, or Crab Wood.	Do.	0.719	8	4,928	"	4,219	77	8,052	"	7,217	138	"	4,144	5,201	206	..	"
18 B.	Do.	Do.	"	"	4,536	"	"	"	7,205	"	"	"	"	4,853	"	"	..	"
18 C.	Do.	Do.	"	"	3,192	"	"	"	5,796	"	"	"	"	6,008	"	"	..	"
20 A.	Cumara or Tonka	Do.	"	"	7,616	13	8,116	72	10,341	"	12,212	134	"	5,563	5,639	"	..	"
20 B.	Do.	Do.	"	"	7,784	"	"	"	13,216	"	"	"	"	5,404	"	"	..	"
20 C.	Do.	Do.	"	"	7,672	"	"	"	13,272	"	"	"	"	6,496	"	"	..	"
20 D.	Do.	Do.	"	"	8,811	"	7,363	"	12,021	"	"	"	"	5,096	"	"	..	"
26 A.	Sipiri or Greenheart	Do.	1.000	2	5,690	"	"	"	"	"	"	"	"	"	"	"	..	"
26 B.	Do.	Do.	"	"	5,625	"	"	"	"	"	"	"	"	"	"	"	..	"
26 C.	Do.	Do.	"	"	8,593	"	"	"	"	"	"	"	"	"	"	"	..	"
26 D.	Do.	Do.	"	"	6,328	"	"	"	"	"	"	"	"	"	"	"	..	"
26 A.G.	Do.	Do.	"	"	8,540	"	"	"	"	"	"	"	"	"	"	"	..	"
26 Ad.	Do.	Do.	"	"	5,973	"	"	"	"	"	"	"	"	"	"	"	..	"
29 A.	Hitchia	Do.	0.712	8	4,094	"	3,672	78	8,288	82	8,259	136	146	1,792	1,792	211	..	"
29 B.	Do.	Do.	"	"	3,356	"	"	"	"	"	"	"	"	"	"	"	..	"
29 C.	Do.	Do.	"	"	3,192	"	"	"	"	"	"	"	"	"	"	"	..	"
1 A.	Siricote	British Honduras	1.037	2	5,656	15	4,928	75	5,572	83	5,690	141	147	10,080	4,785	204	..	214
1 B.	Do.	Do.	"	"	3,076	"	"	"	5,348	"	"	"	"	8,661	"	"	..	"
1 C.	Do.	Do.	"	"	5,152	"	"	"	5,880	"	"	"	"	8,400	"	"	..	"
2 A.	Cranadilla	Do.	1.087	"	8,908	"	7,994	72	11,648	"	12,378	134	"	5,544	5,348	206	..	"
2 B.	Do.	Do.	"	"	7,980	"	"	"	12,908	"	"	"	"	5,152	"	"	..	"
3 A.	Chicheur	Do.	1.071	"	2,744	"	"	"	4,928	"	6,332	140	"	6,372	7,802	204	..	"
3 B.	Do.	Do.	"	"	4,256	"	"	"	6,888	"	"	"	"	147	"	"	..	"

5 C.	Do.	-	-	-	4,004	6,421	15,339	10,080	2,056	5,054	2,06	2,06
3 D.	Do.	-	-	-	4,200	7,093	134	5,264	7,056	5,054	2,06	2,06
4 A.	Canasin	-	-	-	9,856	15,531	134	4,844	5,264	5,054	2,06	2,06
4 B.	Do.	-	-	-	9,856	15,531	134	4,844	5,264	5,054	2,06	2,06
6 A.	Chuxax	-	-	-	5,516	6,944	139	6,972	6,272	6,272	2,05	2,05
8 A.	Pimento	-	-	-	6,440	8,940	139	3,352	6,272	6,272	2,05	2,05
9 A.	Santa Maria	-	-	-	2,908	5,460	142	2,464	6,272	6,272	2,05	2,05
9 B.	Do.	-	-	-	3,360	4,760	142	10,080	6,272	6,272	2,05	2,05
10 A.	Pasak	-	-	-	1,702	7,196	138	10,080	10,080	10,080	2,05	2,05
10 B.	Do.	-	-	-	1,829	7,196	138	10,080	10,080	10,080	2,05	2,05
11 A.	Chuxay	-	-	-	5,348	7,196	138	10,080	10,080	10,080	2,05	2,05
13 A.	Bullet Wood	-	-	-	6,412	7,196	138	10,080	10,080	10,080	2,05	2,05
13 B.	Tastab	-	-	-	7,224	10,192	136	5,544	7,196	7,196	2,04	2,04
14 A.	Do.	-	-	-	5,460	8,848	136	8,848	7,196	7,196	2,04	2,04
14 B.	Do.	-	-	-	5,320	8,848	136	8,848	7,196	7,196	2,04	2,04
15 A.	Mabinjuh or Ma- binju.	-	-	-	5,712	7,784	137	2,576	2,576	2,576	2,10	2,10
16 A.	Subin or Cubin	-	-	-	5,384	7,476	138	5,876	5,861	5,861	2,05	2,05
16 B.	Do.	-	-	-	5,068	7,317	137	6,347	5,861	5,861	2,05	2,05
17 A.	Sapodilla	-	-	-	6,384	8,204	127	4,356	4,356	4,356	2,07	2,07
18 A.	Kaskat	-	-	-	6,608	6,216	140	4,368	4,368	4,368	2,06	2,06
21 A.	Caoutchouc	-	-	-	7,224	11,424	137	6,369	5,231	5,231	2,06	2,06
21 B.	Do.	-	-	-	8,904	11,928	137	6,369	5,231	5,231	2,06	2,06
21 C.	Do.	-	-	-	6,552	9,996	137	4,368	5,231	5,231	2,06	2,06
21 D.	Do.	-	-	-	5,936	8,064	137	3,948	5,231	5,231	2,06	2,06
22 A.	Yaxite	-	-	-	3,164	4,704	142	9,520	9,520	9,520	2,03	2,03
22 B.	Do.	-	-	-	2,758	5,040	142	9,520	9,520	9,520	2,03	2,03
23 A.	Do. or Yaxnig - Roble Blanco	-	-	-	3,752	6,421	140	10,080	10,080	10,080	2,02	2,02
25 A.	Do.	-	-	-	5,780	6,571	139	9,520	9,520	9,520	2,03	2,03
1 A.	Halmolili	-	-	-	3,360	6,571	139	9,520	9,520	9,520	2,03	2,03
2 A.	Iron or Beef Wood	-	-	-	7,616	6,571	139	9,520	9,520	9,520	2,03	2,03
3 A.	Taming	-	-	-	4,844	6,571	139	9,520	9,520	9,520	2,03	2,03
4 A.	Satin Wood	-	-	-	5,096	6,571	139	9,520	9,520	9,520	2,03	2,03
23 A.	Samak, or Sumach, or Divi-Divi Bark	-	-	-	3,080	6,104	140	10,080	10,080	10,080	2,14	2,14
23 B.	Do.	-	-	-	3,360	6,104	140	10,080	10,080	10,080	2,14	2,14
30 A.	-	-	-	-	15	7,728	137	2,800	2,800	2,800	2,10	2,10
30 B.	-	-	-	-	15	7,728	137	2,800	2,800	2,800	2,10	2,10
30 C.	-	-	-	-	15	7,728	137	2,800	2,800	2,800	2,10	2,10
30 C.	Mungkudu -	-	-	-	2,184	3,920	142	6,048	5,550	5,550	2,06	2,06
75 A.	Do.	-	-	-	2,016	4,144	142	5,115	5,488	5,488	2,04	2,04
75 B.	Do.	-	-	-	2,296	4,144	142	5,115	5,488	5,488	2,04	2,04
75 C.	Do.	-	-	-	2,296	4,144	142	5,115	5,488	5,488	2,04	2,04
72 A.	-	-	-	-	2,296	4,144	142	5,115	5,488	5,488	2,04	2,04

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I. Specific Gravity.		Table II. Actual Breaking Weight.		Table III. Mean Breaking Weight.		Table IV. Actual Direct Crushing Weight.		Table V. Mean Direct Crushing Weight.		Table VI. Actual Transverse Crushing Weight.		Table VII. Mean Transverse Crushing Weight.		Table VIII. Elasticity.	
			Distilled Water being 1'000.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
73 B.	-	East Indies	..	..	..	..	..	..	5,600	84	5,096	142	2,912	148	7,674	204	214
73 C.	-	Do.	..	..	..	..	..	..	4,760	"	13,118	"	10,050	"	"	"	"
80 A.	-	Do.	..	..	..	..	..	..	13,356	"	"	"	4,741	"	5,156	206	"
80 B.	-	Do.	..	..	..	..	..	..	12,880	"	"	"	5,572	"	"	"	"
86 A.	Woodunpar	Do.	0·689	8	4,200	15	4,060	77	8,036	"	7,798	137	2,716	"	2,646	210	"	
86 B.	Do.	Do.	"	"	3,920	"	"	"	7,560	"	"	"	2,576	"	"	"	"	
104 A.	-	Do.	..	..	..	..	..	..	8,773	"	9,457	135	3,248	"	3,564	209	"
104 B.	-	Do.	..	..	..	..	..	..	9,744	"	"	"	3,880	"	"	"	"
10 C.	-	Do.	..	..	..	..	..	..	9,856	"	"	"	"	"	"	"	"
140 A.	Sandal Wood	Do.	0·885	5	6,440	17	7,028	73	10,360	85	10,360	134	6,048	149	6,048	205	215	
140 B.	Do.	Do.	"	"	7,616	"	4,396	76	8,092	"	8,092	137	3,696	"	3,696	208	"	
144 A.	Bengha	Do.	0·779	7	4,396	"	4,732	"	"	"	"	"	"	"	"	"	"	
145 A.	Rou	Do.	0·962	4	4,732	"	4,732	73	9,968	85	9,968	135	2,800	149	2,800	206	"	
147 A.	Terrubah	Do.	0·813	3	6,008	"	6,008	74	9,296	"	9,296	135	3,696	"	3,696	208	"	
185 A.	Blackwood	Do.	0·690	6	5,000	"	5,000	79	5,488	"	5,488	141	3,920	"	3,920	208	"	
1,214 A.	Doodhee	Do.	0·690	8	2,800	"	5,360	78	6,272	"	6,272	141	4,562	"	4,562	207	"	
1,215 A.	Karee	Do.	0·820	6	3,260	"	3,260	"	"	"	"	"	"	"	"	"	"	
1,219 A.	Toon	Do.	0·540	11	3,080	"	3,080	79	9,408	"	9,016	135	5,544	149	5,348	206	"	
1,220 A.	Union	Do.	1·043	2	5,676	"	5,690	74	8,624	85	9,016	135	5,544	149	5,348	206	"	
1,220 B.	Do.	Do.	"	"	5,404	"	"	"	"	"	"	"	5,152	"	"	"	"	
1,220 C.	Do.	Do.	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
1,771 A.	Chump	Do.	0·305	11	1,157	"	1,157	"	"	"	"	"	"	"	"	"	"	
1,772 A.	Tenasserim	Do.	0·540	11	3,260	"	3,260	78	"	"	"	"	"	"	"	"	"	
2,345 A.	Ma-hogany.	Do.	1·026	3	7,616	"	7,616	72	12,880	85	12,880	134	4,405	150	4,405	207	"	
2,452 A.	Balon	Do.	..	..	7,504	"	7,700	72	"	"	"	"	"	"	"	"	"
2,462 B.	Do.	Do.	"	"	7,896	"	"	"	"	"	"	"	"	"	"	"	"	
2,463 A.	Maraborr	Do.	0·880	6	4,396	"	4,396	76	8,960	85	8,960	135	1,848	150	1,848	210	"	
2,468 A.	Pannaga	Do.	1·148	1	8,960	"	8,960	72	13,200	"	13,200	134	3,621	"	3,621	208	"	
2,470 A.	Klat Mera	Do.	0·736	1	4,480	"	4,480	76	7,504	"	7,504	138	1,232	"	1,232	211	"	
2,471 A.	Kasso	Do.	1·033	2	8,848	"	8,848	72	13,216	"	13,216	134	2,987	"	2,987	209	"	
2,474 A.	Brombong	Do.	0·756	7	5,096	"	5,096	74	8,764	"	8,764	136	1,960	"	1,960	210	"	
2,476 A.	Marsarra	Do.	0·678	9	3,416	"	3,416	78	7,000	"	7,000	139	1,204	"	1,204	211	"	
2,483 A.	Madang Baytoo.	Do.	0·621	10	3,528	"	3,528	78	6,048	"	6,048	140	10,080	"	10,080	202	"	

2,490 A.	Niatoo	-	-	0.499	11	2,464	79	5,264	141	10,080	21
2,493 A.	Klaydang	-	-	0.682	9	4,536	76	1,583	135	1,232	21
3,948 A.	Siris	-	-	0.668	9	3,248	78	5,583	138	10,080	202
3,949 A.	Hurdoo	-	-	0.748	10	3,136	78	7,056	138	10,080	202
3,950 A.	Kain	-	-	0.770	10	2,800	79	6,384	140	2,800	205
3,951 A.	Pindra	-	-	0.846	6	4,424	76	6,720	139	6,160	205
3,952 A.	lynnungul	-	-	0.797	7	5,264	75	9,035	135	10,080	204
3,953 A.	Rohnece	-	-	1.069	2	5,012	77	6,328	135	6,832	204
3,954 A.	Loudya	-	-	0.759	7	3,752	77	6,328	135	1,456	211
3,955 A.	Kardahce	-	-	0.817	6	4,424	76	6,688	138	3,248	205
3,956 A.	Taman	-	-	0.729	6	3,640	78	6,372	138	10,080	202
3,957 A.	Tine or Sisso	-	-	0.704	7	3,704	76	6,608	138	6,048	205
3,961 A.	Mowah	-	-	1.013	3	4,704	76	7,317	138	6,720	204
4,657 A.	Saba Sagoon, Teak	-	-	0.601	9	3,192	78	6,160	140	2,464	210
4,658 A.	Puteerea Sagoon-	-	-	0.678	8	3,976	77	7,765	137	2,165	210
4,659 A.	Doodhea Sagoon	-	-	0.684	4	3,864	77	6,372	138	2,716	210
4,660 A.	Surreye	-	-	0.911	5	4,984	75	8,699	136	2,912	209
4,661 A.	Iroonurasse	-	-	0.789	6	4,088	77	7,131	138	4,181	208
4,662 A.	Dhangun	-	-	0.791	7	5,096	75	7,420	138	2,688	210
4,663 A.	Saj	-	-	0.837	6	2,912	79	4,144	142	6,664	209
4,664 A.	Bejiah	-	-	0.803	6	3,376	74	9,856	135	3,248	209
4,665 A.	Kowah	-	-	0.996	6	3,928	74	8,566	142	7,504	208
4,666 A.	Ghattoo	-	-	0.720	7	2,464	79	6,197	140	3,864	204
4,667 A.	Thosun	-	-	0.770	7	3,808	78	5,572	141	10,080	202
4,668 A.	Dhewrah	-	-	0.881	7	6,440	79	4,181	142	3,556	209
4,670 A.	Bher	-	-	0.574	9	2,576	76	9,072	135	10,080	202
4,671 A.	Baulul	-	-	0.864	5	2,856	74	5,040	142	6,384	205
4,672 A.	Klumee	-	-	0.542	9	2,856	72	5,040	142	3,556	205
4,754 A.	Ironwood	-	-	1.104	2	9,632	72	12,824	134	3,995	209
4,754 B.	Do.	-	-	0.641	9	8,876	78	13,272	134	2,828	209
4,757 A.	Gurinja	-	-	0.884	7	3,416	78	6,048	140	1,932	210
4,758 A.	Sal	-	-	0.834	6	6,720	76	6,371	139	2,725	209
4,759 A.	Teak Sagoon	-	-	0.695	8	4,032	72	10,584	134	3,556	209
4,760 A.	Sisso, black	-	-	0.790	7	7,728	72	8,549	135	6,664	205
4,761 A.	Burdur	-	-	0.844	6	5,712	74	8,960	135	9,968	203
5,601 A.	Abioos or Kandoo	-	-	1.080	2	6,048	74	7,532	138	7,252	204
5,602 A.	Assan	-	-	1.087	3	3,976	77	6,608	139	4,480	207
5,603 A.	Gumbarce	-	-	0.664	8	3,584	78	5,152	142	10,080	202
5,604 A.	Jack Punsee	-	-	0.621	9	1,848	78	8,982	135	5,432	206
5,605 A.	Red Sissoo	-	-	0.864	6	6,216	74	11,816	134	5,176	210
5,606 A.	Peasul	-	-	0.793	7	5,600	77	7,616	137	2,352	210
5,607 A.	Keehar	-	-	0.709	8	4,256	77	7,616	135	3,264	208
5,608 A.	Koozooh	-	-	1.060	2	5,432	74	9,184	135	3,892	208
5,609 A.	Do.	-	-	0.965	4	5,824	74	7,784	137	10,080	202
5,610 A.	Kokoh	-	-	0.662	8	4,760	76	6,908	139	10,080	202

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I.		Table II.		Table III.		Table IV.		Table V.		Table VI.		Table VII.		Table VIII.	
			Specific Gravity.	Page.	Actual Breaking Weight.	lbs.	Page.	Mean Breaking Weight.	lbs.	Page.	Actual Direct Crushing Weight.	lbs.	Page.	Actual Transverse Crushing Weight.	lbs.	Page.	Mean Transverse Crushing Weight.	Page.	Elasticity.
			Distilled Water boiling 1'000.															
6,544 A.	Ponktheuma-Meyck-Kyook.	East India	0.630	9	1,904	19	1,904	..	4,788	87	4,788	142	..	..	..	..	..	216
6,545 A.	Tomkatscet -	Do.	0.779	7	2,800	..	2,800	79	4,704	..	4,704	142	..	..	..	..	..	..
6,547 A.	Khyong-yook	Do.	0.675	8	3,948	..	3,948	77	6,384	..	6,384	140	..	..	..	..	..	..
6,548 A.	Nabhai	Do.	0.689	9	4,312	..	4,312	77	6,720	..	6,720	139	..	..	..	..	..	..
6,549 A.	Titsein	Do.	0.596	8	2,352	..	2,352	77	3,845	..	3,845	142	..	..	..	..	..	..
6,550 A.	Pangah	Do.	0.776	7	4,480	..	4,480	76	7,243	..	7,243	138	..	..	..	..	..	..
6,551 A.	Lein	Do.	0.682	8	3,192	..	3,192	78	6,683	..	6,683	139	..	..	..	..	..	..
7,064 A.	Jumi	Do.	0.472	11	1,979	..	1,979	..	9,940	87	9,940	135	..	..	..	..	..	..
7,065 A.	Galum Bada	Do.	0.832	6	5,600	..	5,600	..	8,680	..	8,680	136	..	..	..	..	..	..
7,066 A.	Rungas	Do.	0.731	8	3,976	..	3,976	77	6,680	..	6,680	136	..	..	..	..	..	..
7,067 A.	Ba-babi	Do.	0.832	6	5,852	..	5,852	..	9,744	..	9,744	135	..	..	..	..	..	..
7,070 A.	Bahkoh	Do.	0.413	10	1,512	..	1,512	75	8,848	..	8,848	135	..	..	..	..	..	..
7,071 A.	Murbow	Do.	0.871	5	5,012	..	5,012	75	7,728	..	7,728	137	..	..	..	..	..	..
7,072 A.	Klat	Do.	0.742	7	4,256	..	4,256	75	5,796	..	5,796	141	..	..	..	..	..	..
7,075 A.	Jermalang	Do.	0.678	8	4,312	..	4,312	76	4,760	..	4,760	142	..	..	..	..	..	..
7,077 A.	Sittola	Do.	0.507	10	2,912	..	2,912	75	9,576	..	9,576	135	..	..	..	..	..	..
7,080 A.	Dammer-laut	Do.	0.837	6	6,020	..	6,020	74	5,376	..	5,376	135	..	..	..	..	..	..
7,089 A.	Bintaling	Do.	0.868	5	5,376	..	5,376	74	6,683	..	6,683	139	..	..	..	..	..	..
7,090 A.	Kumpas	Do.	0.701	8	4,564	..	4,564	76	7,840	..	7,840	137	..	..	..	..	..	..
7,092 A.	Madang Serai	Do.	0.732	8	4,172	..	4,172	72	8,900	..	8,900	135	..	..	..	..	..	..
7,093 A.	Gading Gading	Do.	0.894	5	7,700	..	7,700	72	5,936	..	5,936	140	..	..	..	..	..	..
7,234 A.	-	Do.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7,234 B.	-	Do.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7,514 A.	Sakhoo	Do.	0.905	5	4,424	19	4,319	76	7,477	..	7,477	137	..	..	..	..	..	..
7,514 E.	Do.	Do.	0.426	8	4,256	..	4,256	..	5,796	..	5,796	141	..	..	..	..	..	..
7,515 A.	-	Do.	0.705	8	4,256	..	4,256	..	5,796	..	5,796	141	..	..	..	..	..	..
7,517 A.	Toon	Do.	0.623	9	3,584	19	3,584	78	5,880	..	5,880	138	..	..	..	..	..	..
7,520 A.	-	Do.	1.040	2	1,456	..	1,456	78	7,364	..	7,364	138	..	..	..	..	..	..
7,522 A.	Anar	Do.	0.459	10	2,908	..	2,908	80	6,160	..	6,160	140	..	..	..	..	..	..
7,524 A.	Katla	Do.	0.681	9	2,296	..	2,296	78	5,376	..	5,376	141	..	..	..	..	..	..
7,525 A.	Aum	Do.	0.506	10	2,128	..	2,128	79	5,376	..	5,376	141	..	..	..	..	..	..
7,527 A.	Nem	Do.	0.716	8	2,520	..	2,520	79	5,376	..	5,376	141	..	..	..	..	..	..
7,529 A.	Asua or Asan	Do.	0.844	6	4,760	..	4,760	76	7,056	..	7,056	138	..	..	..	..	..	..

7,531 A.	Thin Gan	Do.	0.857	6	8,528	19	..	..	8,512	136	2,631	155	2,651	210
7,518 A.	Do.	Do.	0.793	7	3,663	..	3,598	78	5,880	141	1,008	..	1,882	203
7,618 B.	Do.	Do.	..	8	2,800	..	..	79	6,178	140	1,755	..	8,694	211
7,619 A.	Ah Nau	Do.	0.733	8	2,856	..	2,828	..	6,197	137	9,520	..	2,958	209
7,619 B.	Do.	Do.	0.774	7	4,480	..	4,319	76	7,588	137	2,156	..	..	..
7,622 A.	Oak An	Do.	..	7	5,096	..	..	..	8,027	..	2,772	..	..	..
7,622 B.	Do.	Do.	..	7	2,856	..	..	..	7,784	..	3,948	..	..	..
7,622 C.	Do.	Do.	..	7	4,844	..	..	..	6,907	..	3,948	..	..	..
7,622 D.	Do.	Do.	..	7	3,472	..	..	..	11,022	134	5,068	155	4,564	207
7,629 A.	Bom Mai Za	Do.	0.969	3	7,728	..	5,600	74	13,698	142	4,030	..	10,080	202
7,629 B.	Do.	Do.	..	9	2,800	..	2,884	79	4,704	142	10,080	..	..	..
7,665 A.	Diane Eha	Do.	0.681	9	2,968	..	3,024	..	4,516	141	10,080	..	..	..
7,665 B.	Do.	Do.	0.622	9	3,136	..	..	..	5,488	141	10,080	..	..	..
7,674 A.	Tonk Tsa	Do.	..	9	2,912	..	3,052	..	7,352	139	5,563	..	6,907	204
7,674 B.	Do.	Do.	0.879	9	3,360	..	..	..	8,372	137	8,372	..	10,080	202
7,677 A.	Tsack Tha	Do.	..	9	2,744	..	..	..	4,816	140	1,008	..	1,008	211
7,677 B.	Do.	Do.	..	9	3,192	..	..	..	6,440	..	..	..	..	..
9,238 A.	Do.	Do.	0.657	9	3,584	21	..	..	..	..	..	..	..	..
9,238 B.	Bayang Bada	Do.	0.567	8	3,584	21	..	..	..	..	..	..	..	..
9,240 A.	Brangun	Do.	..	10	3,640	..	3,640	78	6,008	139	10,080	156	10,080	202
9,247 A.	Do.	Do.	0.498	8	3,664	..	3,640	77	7,588	137	3,384	..	3,584	209
10,221 A.	Philibeet	Do.	0.675	7	3,864	..	3,864	74	8,314	136	10,080	..	10,080	202
10,225 A.	Saul	Do.	0.766	7	5,376	..	5,376	73	8,652	137	3,724	..	3,589	208
10,226 A.	Sissou	Do.	0.958	4	6,384	..	6,384	73	8,960	..	3,395	..	..	..
10,348 A.	Petwoun	Do.	..	4	6,328	..	..	..	8,960	137	7,564	..	1,344	211
10,348 B.	Do.	Do.	0.726	8	4,844	..	5,012	75	7,765	..	1,344	..	..	..
10,349 A.	Dwa Nee	Do.	..	8	5,180	..	..	..	7,364	136	8,531	..	6,701	205
10,352 A.	Eng	Do.	0.898	5	5,392	..	6,458	73	8,669	136	10,080	..	..	..
10,352 B.	Do.	Do.	..	5	6,144	..	4,200	77	7,728	137	..	..	10,080	202
10,354 A.	Thingan	Do.	0.715	8	4,144	..	..	..	7,840	136	1,764	..	1,946	210
10,354 B.	Do.	Do.	0.854	6	4,256	..	4,746	76	8,400	137	1,829	..	2,146	..
10,355 A.	Thingandoe	Do.	..	6	4,816	..	5,222	75	8,314	137	2,464	..	2,128	..
10,355 B.	Do.	Do.	0.884	5	4,676	..	..	..	9,408	135	2,128	..	4,480	207
10,356 A.	Engyin	Do.	..	5	4,872	..	..	..	11,438	134	4,144	..	..	..
10,356 B.	Do.	Do.	..	5	4,592	..	..	..	12,208	134	4,816	..	..	..
10,356 C.	Do.	Do.	..	5	4,284	..	..	..	6,541	139	3,886	..	3,836	208
10,357 A.	Thayva	Do.	0.928	4	6,664	..	6,664	73	7,000	139	868	..	5,474	206
10,358 A.	Gangan	Do.	1.091	2	7,784	..	8,232	72	6,421	140	10,080	..	2,128	210
10,358 B.	Do.	Do.	..	8	8,680	..	4,438	76	5,301	141	2,568	..	..	..
10,359 A.	Toung-tha-hay	Do.	0.689	8	4,592	..	..	..	5,301	..	..	..	..	..
10,359 B.	Do.	Do.	..	9	4,284	..	3,500	78	6,346	..	..	..	..	..
10,361 A.	Poonyet	Do.	0.604	9	3,640	..	3,500	..	6,346	..	..	..	..	..
10,361 B.	Do.	Do.	..	9	3,360	..	3,360	..	5,301	..	..	..	..	..
10,362 A.	Gyo	Do.	0.969	3	3,024	..	3,360	..	5,301	..	..	..	..	..
10,362 B.	Do.	Do.	0.939	3	3,696	..	3,696	..	5,301	..	..	..	..	..

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I.		Table II.		Table III.		Table IV.		Table V.		Table VI.		Table VII.		Table VIII.	
			Specific Gravity.		Actual Breaking Weight.		Mean Breaking Weight.		Actual Direct Crushing Weight.		Mean Direct Crushing Weight.		Actual Transverse Crushing Weight.		Mean Transverse Crushing Weight.		Elasticity.	
			Distilled Water boiling 100°.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
10,354 A.	P'inlay-ong	East India	0.722	8	3,920	77	7,028	89	7,028	139	10,080	156	10,080	202	218			
10,395 A.	Yimma	Do.	0.385	10	2,128	..	..	..	..	..	..	..	..	..	..	..	..	..
10,896 B.	Do.	Do.	1.829	..	1,829	..	..	..	..	..	..	..	..	..	..	..	..	..
10,367 A.	Boomayza	Do.	1.020	3	6,886	73	7,112	89	8,484	136	10,080	157	7,168	204	..	..	..	..
10,357 B.	Do.	Do.	6.686	..	6,686	..	8,566	..	15,120	134	8,372	..	8,372	203	..	..	..	..
10,373 A.	Groo-shwoy	Do.	1.151	1	7,056	..	15,120	..	8,008	137	10,080	..	7,485	204	..	..	..	..
10,375 A.	May-za-lei	Do.	0.814	6	4,046	77	7,504	..	8,512	..	4,891	..	6,309	205	..	..	..	..
10,373 B.	Do.	Do.	4.088	..	4,088	..	3,893	90	9,893	135	3,696	..	3,696	208	..	..	..	..
10,376 A.	Yin dike	Do.	0.976	6	6,776	73	7,776	..	10,976	134	3,696	..	9,100	203	..	..	..	..
10,379 A.	Padouk	Do.	0.908	5	7,108	72	7,448	..	10,976	134	3,696	..	9,100	203	..	..	..	..
10,379 B.	Do.	Do.	7.728	..	7,728	..	6,571	90	6,571	139	9,100	..	9,100	203	..	..	..	..
10,380 A.	Kokoh	Do.	0.651	9	4,144	77	4,144	..	6,571	139	9,100	..	9,100	203	..	..	..	..
10,382 A.	Pouktheuma-Mayek-Kyook.	Do.	0.925	4	5,040	75	5,040	..	8,587	..	6,583	..	6,583	205	..	..	..	..
10,384 A.	Thisee	Do.	0.864	5	4,760	76	4,760	..	9,352	135	2,576	..	2,576	210	..	..	..	..
10,385 A.	Nabbay	Do.	0.962	4	4,312	77	7,019	..	9,352	135	2,576	..	2,576	210	..	..	..	..
10,388 A.	Pangah	Do.	0.888	5	6,440	73	10,276	..	7,019	139	2,184	..	2,184	..	..	..	..	..
10,388 B.	Do.	Do.	0.909	3	6,496	..	6,468	..	10,276	134	2,744	..	2,632	..	..	..	..	..
10,390 A.	Htongyan	Do.	0.929	3	6,354	..	6,356	..	9,996	..	2,520	..	..	..	..	..	..	..
10,390 B.	Do.	Do.	6.358	..	6,358	..	9,296	..	9,224	135	10,080	..	..	..	..	..	..	..
10,393 A.	Bambouy	Do.	0.854	6	5,012	76	4,648	..	9,224	135	10,080	..	..	..	..	..	..	..
10,393 B.	Do.	Do.	4.284	..	4,284	..	6,832	..	6,832	140	7,504	..	..	..	..	..	..	..
10,394 A.	Do.	Do.	0.756	7	4,032	..	3,896	..	3,936	140	7,504	..	..	..	..	..	..	..
10,394 B.	Do.	Do.	3.640	..	3,640	..	6,720	..	6,421	139	10,080	..	..	..	..	..	..	..
10,397 A.	Do.	Do.	0.888	5	5,880	74	5,880	..	6,720	139	10,080	..	..	..	..	..	..	..
10,399 A.	Laizah	Do.	0.842	6	4,853	75	4,946	..	8,568	136	5,640	..	2,691	210	..	..	..	..
10,399 B.	Do.	Do.	5.040	..	5,040	..	6,645	..	8,568	136	5,640	..	2,691	210	..	..	..	..
10,405 A.	Hnan	Do.	0.652	9	4,260	..	4,946	..	6,645	139	2,968	..	3,332	209	..	..	..	..
10,405 B.	Do.	Do.	3.520	..	4,260	..	7,016	..	6,934	139	3,696	..	3,332	209	..	..	..	..
10,405 A.	Bingah	Do.	0.736	8	3,264	..	5,712	..	7,398	138	1,456	158	1,400	211	..	..	..	..
10,405 B.	Do.	Do.	3.264	..	3,264	..	7,298	..	7,398	137	1,456	..	4,162	208	..	..	..	..
10,409 A.	Do.	Do.	0.703	9	3,168	..	8,260	..	7,298	137	4,837	..	4,837	208	..	..	..	..
10,409 B.	Hvein	Do.	0.703	9	3,168	..	8,260	..	7,298	137	4,837	..	4,837	208	..	..	..	..
10,409 A.	Do.	Do.	3.696	..	3,696	..	6,636	..	6,500	140	5,600	..	5,600	207	..	..	..	..
10,410 A.	Do.	Do.	7.392	..	3,696	..	8,456	..	6,500	140	5,600	..	5,600	207	..	..	..	..
10,410 A.	Heingalah	Do.	0.435	4	7,392	74	5,748	..	8,456	136	2,184	..	2,184	210	..	..	..	..

10,410 B.	Do.	-	-	-	4,144	..	79	4,732	..	90	4,732	145	6,608	..	205	6,608	..	219
10,415 A.	Khaboung	-	-	-	4,704	..	76	7,560	..	..	7,560	138	1,344	..	211	1,512	..	..
10,416 A.	Toung-za-lat	-	-	-	4,760	..	..	7,224	..	..	7,224	138	1,680	..	206	5,320	..	..
10,417 A.	Do.	-	-	-	5,488	..	74	7,224	..	..	7,224	138	5,320	..	203	8,022	..	..
10,418 A.	Pacti-than	-	-	-	2,800	..	79	5,339	..	..	5,339	141	5,964	..	209	3,173	..	..
10,419 A.	Pta-khoout-ma	-	-	-	2,688	..	..	5,124	..	..	5,124	136	10,080	..	..	..	..	..
10,420 B.	Do.	-	-	-	5,068	..	75	8,437	..	..	8,437	..	..	..	..	..	..	..
10,421 A.	Do.	-	-	-	5,572	..	..	..	..	..	..	..	..	..	..	..	..	..
10,422 A.	Do.	-	-	-	1,512	..	80	3,137	..	..	3,137	143	10,080	..	202	10,080	..	..
10,423 A.	Kyoung-douk	-	-	-	2,240	..	..	2,576	..	..	2,576	139	1,596	..	210	2,012	..	..
10,424 B.	Do.	-	-	-	2,128	..	75	6,645	..	..	6,611	..	1,612	..	..	..	..	..
10,425 A.	Do.	-	-	-	3,416	..	..	6,580	..	..	..	..	2,828	..	205	5,668	..	..
10,426 A.	Kuyon Teak	-	-	-	2,940	..	..	6,608	..	..	..	142	7,056	..	..	..	..	..
10,427 A.	Do.	-	-	-	2,128	..	79	3,976	..	..	4,452	143	4,331	..	202	10,080	..	..
10,428 A.	Do.	-	-	-	2,688	..	..	4,998	..	..	3,547	..	10,080	..	..	..	..	..
10,429 A.	Do.	-	-	-	1,307	..	..	3,547	..	..	..	..	..	..	..	..	..	..
10,430 A.	Momakha	-	-	-	2,408	..	..	..	..	..	..	..	..	..	..	..	..	..
10,431 A.	Toumbain	-	-	-	2,613	..	..	6,608	..	..	6,608	139	10,080	..	202	10,080	..	..
10,432 A.	Do.	-	-	-	3,248	..	..	8,764	..	..	8,764	136	3,920	..	208	3,920	..	..
10,433 A.	Do.	-	-	-	5,152	..	75	6,356	..	..	6,356	131	7,700	..	203	8,890	..	..
10,434 A.	Theetmin	-	-	-	2,576	..	80	5,124	..	..	5,124	..	10,080	..	..	..	..	..
10,435 A.	Tinyooben	-	-	-	2,072	..	..	4,144	..	..	4,144	142	5,354	..	207	4,350	..	..
10,436 A.	Do.	-	-	-	2,138	..	79	4,144	..	..	4,144	135	3,099	..	..	..	..	..
10,437 A.	Nasha	-	-	-	2,744	..	..	4,405	..	..	4,268	..	3,472	..	209	8,472	..	..
10,438 A.	Do.	-	-	-	2,716	..	73	4,256	..	..	..	..	..	..	..	..	..	..
10,439 A.	Do.	-	-	-	7,056	..	..	9,072	..	..	..	..	..	..	..	..	..	..
10,440 A.	Banau	-	-	-	379	..	..	..	..	..	..	..	..	..	..	..	..	..
10,441 A.	Dedcap Tha	-	-	-	340	..	..	..	..	..	..	..	..	..	..	..	..	..
10,442 A.	Do.	-	-	-	2,744	..	78	6,652	..	..	8,134	137	3,864	..	210	2,790	..	..
10,443 A.	Do.	-	-	-	4,592	..	..	7,616	..	..	..	140	1,717	..	..	..	..	..
10,444 A.	Mance Auka	-	-	-	3,248	..	..	6,664	..	..	6,490	..	6,197	..	203	8,752	..	..
10,445 A.	Do.	-	-	-	2,688	..	..	5,124	..	..	..	..	10,080	..	..	..	..	..
10,446 A.	Ngoo Tha	-	-	-	3,808	..	..	7,504	..	..	..	..	..	..	..	..	..	..
10,447 A.	Do.	-	-	-	7,168	..	73	8,512	..	..	8,194	137	3,845	..	206	5,114	..	..
10,448 A.	Kay Yoob	-	-	-	6,496	..	..	..	..	..	..	..	..	..	..	..	..	..
10,449 A.	Do.	-	-	-	7,140	..	..	..	..	..	..	..	6,384	..	205	5,690	..	..
10,450 A.	Nat Gyee	-	-	-	4,284	..	..	6,179	..	..	9,022	135	7,093	..	..	..	..	..
10,451 A.	Do.	-	-	-	7,112	..	..	9,931	..	..	..	..	5,925	..	..	..	..	..
10,452 A.	Do.	-	-	-	5,404	..	..	8,680	..	..	..	..	4,452	..	206	5,180	..	..
10,453 A.	Pune Tha	-	-	-	6,048	..	74	8,612	..	..	8,428	136	5,189	..	..	..	..	..
10,454 A.	Do.	-	-	-	6,664	..	73	14,075	..	..	13,533	134	3,186	..	209	8,257	..	..
10,455 A.	Padouk	-	-	-	6,496	..	..	14,373	..	..	..	..	3,920	..	..	..	..	..

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I.		Table II.		Table III.		Table IV.		Table V.		Table VI.		Table VII.		Table VIII.	
			Specific Gravity.	Page.	Actual Breaking Weight.	lbs.	Page.	Mean Breaking Weight.	lbs.	Page.	Mean Direct Crushing Weight.	lbs.	Page.	Actual Transverse Crushing Weight.	lbs.	Page.	Mean Transverse Crushing Weight.	Page.
10,485 C.	Padouk	East India	0.972	3	5,432	23		73	12,152	92	13,533	134	150	3,257	209	219		
10,489 A.	Kya Ya	Do.	0.959	4	6,020	"		74	9,940	"	3,136	"	"	3,360	"	"	"	"
10,489 B.	Do.	Do.	"	"	5,544	"		"	9,520	"	3,584	"	"	"	"	"	"	"
10,491 A.	Zangrecoat-doup	Do.	0.946	"	"	"		"	9,156	"	2,856	"	"	3,304	"	"	"	"
10,491 B.	Do.	Do.	"	"	"	"		"	9,333	"	3,752	"	"	"	"	"	"	"
1 A.	"	Hungary	0.694	8	3,350	23		78										
1 B.	"	Do.	"	"	3,528	"		"										
1 C.	"	Do.	"	"	3,136	"		"										
1 D.	"	Do.	"	"	3,864	"		"										
2 A.	"	Do.	0.804	6	4,004	"		76										
2 B.	"	Do.	"	"	4,480	"		"										
2 C.	"	Do.	"	"	3,733	25		"										
2 D.	"	Do.	"	"	4,816	"		"										
3 A.	"	Do.	0.531	9	2,725	"		79										
3 B.	"	Do.	"	"	2,100	"		"										
3 C.	"	Do.	"	"	2,165	"		"										
3 D.	"	Do.	"	"	2,660	"		"										
4 A.	"	Do.	0.673	8	3,949	"		78										
4 B.	"	Do.	"	"	3,164	"		"										
4 C.	"	Do.	"	"	3,360	"		"										
4 D.	"	Do.	"	"	3,024	"		"										
5 A.	"	Do.	0.460	10	1,045	"		"										
5 B.	"	Do.	"	"	1,316	"		"										
5 C.	"	Do.	"	"	1,022	"		"										
5 D.	"	Do.	0.558	8	2,240	"		79										
6 A.	"	Do.	"	"	2,072	"		"										
6 B.	"	Do.	"	"	3,080	"		"										
6 C.	"	Do.	"	"	3,323	"		"										
6 D.	"	Do.	"	"	3,836	"		"										
7 A.	"	Do.	0.651	9	3,135	"		78										
7 B.	"	Do.	"	"	3,108	"		"										
7 C.	"	Do.	"	"	3,108	"		"										
7 D.	"	Do.	"	"	3,752	"		"										

No Experiments.

[illegible]

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I. Specific Gravity.		Table II. Actual Breaking Weight.		Table III. Mean Breaking Weight.		Table IV. Actual Direct Crushing Weight.		Table V. Mean Direct Crushing Weight.		Table VI. Actual Transverse Crushing Weight.		Table VII. Mean Transverse Crushing Weight.		Table VIII. Elasticity.	
			Distilled Water being 1 000.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
164 C.	Blood or Iron Wood	Jamaica	0.942	4	4,368	27	..	..	6,804	94	6,979	139	5,460	161	5,883	206	..	220
164 D.	Do.	Do.	..	..	4,200	..	..	..	6,552	..	7,611	..	10,080	..	6,202	205	..	..
169 A.	Red Wood	Do.	0.803	7	5,376	..	4,865	75	7,765	..	..	137	10,080	..	..	..	..	..
169 B.	Do.	Do.	..	..	4,480	..	..	..	7,793	..	..	..	10,080	..	..	..	..	..
169 C.	Do.	Do.	..	..	4,816	..	..	..	7,784	..	..	..	9,912	..	..	..	..	..
169 D.	Do.	Do.	..	..	4,788	..	..	..	7,168	..	..	..	1,736	..	..	..	..	..
189 A.	Jack Fruit	Do.	0.661	9	3,556	..	..	..	6,594	..	6,183	140	10,080	..	..	..	..	..
189 B.	Do.	Do.	..	..	3,612	..	..	..	5,516	95	..	..	10,080	..	..	..	..	..
189 C.	Do.	Do.	..	..	2,968	..	..	..	6,608	..	..	..	10,080	..	..	..	..	..
189 D.	Do.	Do.	..	..	3,080	..	..	..	6,086	..	..	..	10,080	..	..	..	..	..
201 A.	Red Candle Wood	Do.	1.026	3	6,720	..	6,991	73	9,408	..	8,879	135	3,808	..	3,646	208	..	..
201 B.	Do.	Do.	..	..	7,728	..	..	..	8,844	..	..	..	3,771	..	..	..	..	..
201 C.	Do.	Do.	..	..	6,524	..	..	..	8,475	..	..	..	3,360	..	..	..	..	..
201 D.	Do.	Do.	..	..	..	..	..	..	8,792	..	..	..	..	..	..	..	..	..
210 A.	Do.	Do.	0.940	4	4,872	..	..	..	7,812	..	8,148	137	3,808	..	4,396	207	..	..
210 B.	Do.	Do.	..	..	3,976	..	..	..	7,840	..	..	..	5,572	..	..	..	..	..
210 C.	Jamaica Ebony	Do.	..	..	5,301	..	..	..	15,568	..	14,765	134	3,808	..	..	..	..	..
212 A.	Do.	Do.	1.183	1	10,920	..	..	..	13,963	..	..	..	6,384	..	8,232	203	..	..
212 B.	Do.	Do.	..	..	9,100	..	..	..	10,528	..	11,470	134	7,280	..	8,446	..	..	..
216 A.	Dog Wood	Do.	1.170	1	7,756	..	7,840	72	9,912	..	..	..	7,355	..	..	..	..	..
216 B.	Do.	Do.	..	..	7,054	..	..	..	12,171	..	..	..	9,968	..	..	..	..	..
216 C.	Do.	Do.	..	..	9,128	..	..	..	13,272	..	..	..	9,184	..	..	..	..	..
216 D.	Do.	Do.	..	..	7,392	..	..	..	12,171	..	..	..	5,482	..	4,862	207	..	..
218 A.	Dog Wood	Do.	0.827	6	5,124	..	5,474	74	7,439	..	8,046	137	4,293	..	..	..	..	..
218 B.	Do.	Do.	..	..	5,824	..	..	..	8,661	..	..	..	4,293	..	..	..	..	..
223 A.	Brazilletto	Do.	1.067	2	8,932	..	8,176	72	12,245	..	12,369	134	4,396	..	4,620	208	..	220
223 B.	Do.	Do.	..	..	7,980	..	..	..	12,684	..	..	..	5,068	..	..	..	..	..
223 C.	Do.	Do.	..	..	7,392	..	..	..	12,283	..	..	..	4,306	..	..	..	..	..
223 D.	Do.	Do.	..	..	8,400	..	..	..	12,264	..	9,170	135	3,808	..	3,857	208	..	..
228 A.	Yellow Wood	Do.	0.923	4	7,728	..	7,998	73	8,756	..	..	..	..	..	..	..	..	..
228 B.	Do.	Do.	..	..	6,468	..	..	..	9,604	..	..	..	4,107	..	6,944	204	..	..
226 A.	South American Acacia.	Do.	0.830	6	2,658	..	..	..	4,058	..	4,134	142	3,320	..	..	..	..	221

336 B.	Do.	-	-	2,576	..	4,284	33	33	5,432	33	206	5,341	33	..	33
236 C.	Do.	-	-	1,680	..	4,032	33	33	10,080	33	206	5,341	33	..	33
252 A.	White Mangrove	-	-	4,564	..	6,309	33	33	140	33	206	5,341	33	..	33
252 B.	Do.	-	-	4,816	..	6,384	33	33	5,413	33	209	2,716	33	..	33
267 A.	Do.	-	-	3,304	..	5,899	33	33	5,516	33	209	2,716	33	..	33
267 B.	White Bully Tree	-	-	6,493	..	8,400	33	96	2,688	33	204	7,361	33	..	33
267 C.	Do.	-	-	5,933	..	7,932	33	33	2,800	33	204	7,361	33	..	33
267 D.	Do.	-	-	4,984	..	7,280	33	33	2,688	33	207	4,312	33	..	33
267 E.	Do.	-	-	4,928	..	8,288	33	33	6,720	33	207	4,312	33	..	33
284 A.	Tecoma Stans	-	-	4,424	..	7,532	33	33	7,803	33	207	4,312	33	..	33
284 B.	Do.	-	-	4,256	..	8,814	33	33	4,312	33	207	4,312	33	..	33
297 A.	Red Heart	-	-	8,876	..	12,768	33	33	4,256	33	207	4,312	33	..	33
297 B.	Do.	-	-	8,938	..	14,280	33	33	4,256	33	207	4,312	33	..	33
297 C.	Do.	-	-	8,922	..	13,320	33	33	4,256	33	207	4,312	33	..	33
297 D.	Do.	-	-	2,856	..	..	33	33	..	33	207	4,312	33	..	33
312 A.	Juniper Cedar	-	-	2,492	..	..	33	33	..	33	207	4,312	33	..	33
312 B.	Do.	-	-	2,156	..	..	33	33	..	33	207	4,312	33	..	33
312 C.	Do.	-	-	5,208	..	12,936	33	96	9,856	33	207	4,312	33	..	33
319 A.	Do.	-	-	6,720	..	14,028	33	33	8,736	33	207	4,312	33	..	33
319 A.	Section of Cocoa	-	-	6,188	..	8,288	33	33	4,228	33	207	4,312	33	..	33
319 B.	Nut.	-	-	29	..	6,382	33	33	..	33	207	4,312	33	..	33
319 B.	Do.	-	-	5,380	..	7,803	33	33	5,488	33	207	4,312	33	..	33
319 B.	Do.	-	-	5,376	..	8,363	33	33	4,060	33	207	4,312	33	..	33
319 B.	Do.	-	-	5,488	..	10,612	33	33	5,152	33	207	4,312	33	..	33
319 C.	Do.	-	-	6,356	..	10,024	33	33	8,764	33	207	4,312	33	..	33
319 C.	Do.	-	-	6,552	..	10,491	33	33	10,080	33	207	4,312	33	..	33
319 C.	Do.	-	-	7,728	..	13,188	33	33	7,168	33	207	4,312	33	..	33
319 E.	Do.	-	-	8,316	..	12,264	33	33	8,344	33	207	4,312	33	..	33
319 E.	Do.	-	-	3,920	..	7,336	33	33	10,080	33	207	4,312	33	..	33
320 A.	York Wood	-	-	3,976	..	7,392	33	33	6,486	33	207	4,312	33	..	33
320 B.	Do.	-	-	3,024	..	5,544	33	33	10,080	33	207	4,312	33	..	33
324 A.	Santa Maria	-	-	2,912	..	5,320	33	33	4,532	33	207	4,312	33	..	33
324 B.	Do.	-	-	5,292	..	7,616	33	33	5,152	33	207	4,312	33	..	33
326 A.	Red Wood	-	-	4,144	..	7,392	33	33	3,892	33	210	2,506	33	..	33
326 B.	Do.	-	-	6,412	..	9,240	33	33	2,576	33	210	2,506	33	..	33
328 A.	Black Bullet Tree	-	-	3,824	..	8,624	33	97	2,436	33	210	2,506	33	..	33
328 B.	Do.	-	-	1,512	..	8,624	33	33	..	33	210	2,506	33	..	33
328 B.	Galla Pear	-	-	1,204	..	..	33	33	..	33	210	2,506	33	..	33
329 A.	Do.	-	-	1,344	..	..	33	33	..	33	210	2,506	33	..	33
329 B.	Do.	-	-	4,592	..	8,101	33	97	1,680	33	210	2,506	33	..	33
332 A.	Hog Berry	-	-	4,732	..	6,440	33	33	4,116	33	210	2,506	33	..	33
332 B.	Do.	-	-	4,536	..	7,056	33	33	10,080	33	210	2,506	33	..	33
332 C.	Do.	-	-	4,788	..	6,588	33	33	..	33	210	2,506	33	..	33
332 D.	Do.	-	-	..	..	..	33	33	..	33	210	2,506	33	..	33

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I. Specific Gravity.		Table II. Actual Breaking Weight.		Table III. Mean Breaking Weight.		Table IV. Actual Direct Crushing Weight.		Table V. Mean Direct Crushing Weight.		Table VI. Actual Transverse Crushing Weight.		Table VII. Mean Transverse Crushing Weight.		Table VIII. Elasticity.	
			Dissolved Water being 1,000.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
338 A.	Spanish Elm	Jamaica	0.784	7	6,552	29	5,619	74	7,280	97	6,937	139	4,900	162	8,363	203	221	
338 B.	Do.	Do.		"	4,984	"	"	"	5,973	"	"	"	10,080	"	"	"	"	"
338 C.	Do.	Do.		"	5,820	"	"	"	7,560	"	"	"	"	"	"	"	"	"
339 A.	Naseberry Bullet Tree	Do.	1.201	1	8,456	"	7,259	72	11,592	"	10,836	134	4,462	"	4,701	207	222	
339 B.	Do.	Do.	"	"	5,624	"	"	"	9,988	"	"	"	4,900	"	"	"	"	"
339 C.	Do.	Do.	"	"	8,148	"	"	"	11,424	"	"	"	5,012	"	"	"	"	"
339 D.	Do.	Do.	"	"	6,008	"	"	"	10,360	"	"	"	4,443	"	"	"	"	"
339 E.	Do.	Do.	"	"	6,723	"	6,720	73	13,216	"	"	"	8,904	"	"	"	"	"
341 A.	Iron Wood	Do.	1.254	9	6,732	"	"	"	"	"	"	"	"	"	"	"	"	"
343 A.	Cassada Wood	Do.	0.573	9	3,323	"	"	"	"	"	"	"	"	"	"	"	"	"
343 B.	Do.	Do.	"	"	2,800	"	"	"	"	"	"	"	"	"	"	"	"	"
343 C.	Do.	Do.	"	"	3,352	"	"	"	"	"	"	"	"	"	"	"	"	"
345 A.	Wild Orange	Do.	1.211	1	7,504	"	7,672	72	12,171	97	12,175	134	6,608	163	6,538	204	"	"
345 B.	Do.	Do.	"	"	7,840	"	"	"	12,180	"	"	"	6,468	"	"	"	"	"
345 C.	Do.	Do.	"	"	7,932	"	8,008	"	10,973	"	11,060	"	4,255	"	4,872	206	"	"
350 A.	Green Heart	Do.	1.132	1	8,064	"	"	"	16,144	"	"	"	5,488	"	"	"	"	"
350 B.	Do.	Do.	0.794	7	4,592	"	5,446	74	5,292	"	5,296	141	6,496	"	6,496	205	"	"
351 A.	Musk Wood	Do.	0.861	6	5,544	"	"	"	7,691	"	7,653	137	5,301	"	4,666	207	"	"
354 A.	Sweet Wood	Do.	"	"	5,348	"	"	"	7,616	"	"	"	4,032	"	"	"	"	"
354 B.	Do.	Do.	"	"	8,950	"	8,442	72	11,032	"	11,340	134	5,432	"	5,278	206	"	"
355 A.	Black Rose Wood	Do.	1.124	1	7,924	"	"	"	11,648	"	"	"	4,816	"	"	"	"	"
355 B.	Do.	Do.	"	"	8,176	"	7,812	"	9,968	"	9,637	135	4,976	"	4,746	207	"	"
355 C.	White Rose Wood	Do.	1.087	2	7,280	"	"	"	8,660	"	"	"	"	"	"	"	"	"
355 D.	Do.	Do.	"	"	7,980	"	5,933	"	10,304	"	"	"	"	"	"	"	"	"
358 B.	Beech Wood	Do.	0.952	4	5,935	"	"	73	8,092	"	8,092	136	6,272	"	6,272	205	"	"
358 C.	Do.	Do.	0.834	6	3,472	"	"	"	7,763	98	6,981	139	4,592	"	5,063	206	"	"
365 A.	Wild Cinnamon	Do.	"	"	3,360	"	"	"	6,197	"	"	"	6,608	"	"	"	"	"
365 B.	Do.	Do.	"	"	2,744	"	"	"	3,836	"	"	"	5,544	"	"	"	"	"
367 A.	White Cedar	Do.	0.621	9	2,924	"	"	"	3,350	"	"	"	6,048	"	"	"	"	"
367 B.	Do.	Do.	"	"	6,412	"	"	"	3,820	"	"	"	3,220	"	"	"	"	"
371 A.	White Torch	Do.	0.953	4	6,608	"	"	"	9,435	"	9,435	135	3,211	"	4,844	207	"	"
371 B.	Do.	Do.	"	"	5,824	"	"	"	9,856	"	"	"	3,061	"	"	"	"	"
371 C.	Do.	Do.	"	"	6,495	"	"	"	8,733	"	"	"	3,160	"	"	"	"	"
371 D.	Do.	Do.	"	"	6,495	"	"	"	9,893	"	"	"	3,192	"	"	"	"	"
372 A.	Red Apple	Do.	0.903	5	5,012	"	5,250	74	6,981	"	7,242	138	3,752	"	3,472	209	"	"
372 B.	Do.	Do.	"	"	5,012	"	"	"	"	"	"	"	"	"	"	"	"	"

376 A.	Blood Red Wood	-	-	-	6	4,256	31	..	6,984	6,906	139	5,040	7,560	204	..	223
376 B.	Do.	-	-	-	9	4,760	31	..	7,429	..	..	10,080	..	..	..	..
378 A.	Fig Tree, Wild	-	-	-	9	2,688	..	..	..	..	139	4,480	6,860	204	..	..
384 A.	Black Mahogany	-	-	-	6	4,368	..	..	6,533	6,892	139	10,080	..	..	..	..
384 B.	Do.	-	-	-	..	4,368	..	..	6,981	..	..	2,800	..	..	..	..
384 C.	Do.	-	-	-	..	4,480	..	..	7,728	..	..	10,080	..	..	..	..
384 D.	Do.	-	-	-	..	4,172	..	..	6,328	8,624	136	..	..	..	..	..
497 A.	Star Apple	-	-	-	4	3,696	..	..	8,624	..	..	..	..	..	..	..
7 A.	Whismore	-	-	-	8	3,696	..	4,853	6,309	6,620	139	6,160	6,533	205	..	..
7 B.	Do.	-	-	-	..	4,004	..	..	7,616	..	..	4,928	..	..	..	..
7 C.	Do.	-	-	-	..	3,584	..	..	5,936	..	..	8,512	..	..	..	..
10 A.	Cedar	-	-	-	3	6,244	..	6,437	11,984	12,214	134	2,464	2,445	210	..	..
10 B.	Do.	-	-	-	..	6,160	..	..	11,835	..	..	2,688	..	..	..	..
10 C.	Do.	-	-	-	..	6,906	..	..	12,824	10,686	134	3,556	2,787	209	..	..
11 A.	Black Gum	-	-	-	4	7,888	..	7,429	12,612	..	..	2,044	..	..	..	..
11 B.	Do.	-	-	-	..	7,429	..	..	12,152	..	..	2,763	..	..	..	..
11 C.	Do.	-	-	-	..	7,000	..	4,235	9,296	7,527	139	10,080	5,898	205	..	..
15 A.	Burr Wood	-	-	-	7	3,696	..	..	7,653	..	..	1,344	..	..	..	..
15 B.	Do.	-	-	-	..	4,256	..	..	7,728	..	..	10,080	..	..	..	..
15 C.	Do.	-	-	-	..	4,200	..	..	7,476	..	..	2,091	..	..	..	..
15 D.	Do.	-	-	-	..	4,760	..	..	7,232	..	..	10,080	..	..	..	..
16 A.	Cherry	-	-	-	7	3,192	..	3,448	6,160	6,160	140	4,459	5,259	206	..	..
16 B.	Do.	-	-	-	..	3,472	..	..	6,160	..	..	4,060	..	..	..	..
17 A.	Brimstone	-	-	-	7	4,480	..	4,102	6,384	6,510	139	2,824	2,188	210	..	..
17 B.	Do.	-	-	-	..	3,724	..	..	6,384	..	..	2,653	..	..	..	..
18 A.	Box Wood	-	-	-	2	8,288	..	8,260	6,384	..	..	5,325	5,268	206	..	..
18 B.	Do.	-	-	-	..	8,288	..	..	6,384	..	..	5,012	..	..	..	..
18 C.	Do.	-	-	-	..	8,288	..	..	6,048	6,066	140	3,360	3,088	209	..	..
19 A.	Cedar	-	-	-	7	3,024	..	3,455	6,048	6,066	138	2,716	5,231	206	..	..
19 B.	Do.	-	-	-	..	3,584	..	..	6,048	..	..	4,928	..	..	..	..
20 A.	Iron Wood	-	-	-	3	6,776	..	3,420	10,080	7,031	138	2,427	7,826	204	..	..
20 B.	Do.	-	-	-	..	6,692	..	..	9,331	..	..	3,108	..	..	..	..
20 C.	Do.	-	-	-	..	6,104	..	..	1,172	5,954	140	10,080	..	..	..	..
20 Aa.	Do.	-	-	-	9	2,996	..	..	6,160	..	..	10,080	..	..	..	..
20 Ab.	Do.	-	-	-	..	2,856	..	..	5,488	..	..	10,080	..	..	..	..
20 Ac.	Do.	-	-	-	..	2,800	..	..	6,123	..	..	1,064	..	..	..	..
20 Ad.	Do.	-	-	-	..	4,340	..	..	6,048	..	..	..	..	..	..	..
21 A.	Black Oak	-	-	-	7	4,424	..	4,933	8,820	8,145	137	3,276	3,024	209	..	..
21 B.	Do.	-	-	-	..	4,284	..	..	7,728	..	..	3,192	..	..	..	..
21 C.	Do.	-	-	-	..	4,032	..	..	8,932	..	..	2,604	..	..	..	..
21 D.	Do.	-	-	-	..	3,640	..	..	7,803	..	..	10,080	..	..	..	..
22 A.	Mahogany	-	-	-	9	3,528	..	3,887	6,085	6,016	140	..	10,080	202	..	..
22 B.	Do.	-	-	-	..	3,136	..	..	5,880	..	..	..	..	..	..	..
22 C.	Do.	-	-	-	..	3,472	..	..	..	..	..	..	..	..	..	..
22 D.	Do.	-	-	-	..	..	..	..	..	..	..	..	..	..	..	..

TABLE IX.—continued.

No. of specimen.	Name.	Colony.	Table I. Specific Gravity.		Table II. Actual Breaking Weight.		Table III. Mean Breaking Weight.		Table IV. Actual Direct Crushing Weight.		Table V. Mean Direct Crushing Weight.		Table VI. Actual Transverse Crushing Weight.		Table VII. Mean Transverse Crushing Weight.		Table VIII. Elasticity.	
			Distilled Water being 1'000.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
58 A.	Mahogany	-	0'884	6	4,928	31	..	..	7,728	99	8,064	137	2,212	163	6,146	205	..	223
58 B.	Do.	-	"	"	5,152	"	..	..	8,400	"	"	"	10,080	"	"	"	..	"
1 A.	Bogum Bogum	New South Wales (North).	0'884	8	2,912	"	3,374	78	6,608	100	5,656	141	2,744	"	2,744	209	..	224
1 B.	Do.	-	"	"	3,836	"	"	"	4,704	"	"	"	"	"	"	"	..	"
3 A.	Goorie	-	0'886	6	4,480	"	4,732	76	7,840	"	7,911	137	3,640	"	3,645	208	..	"
3 B.	Do.	-	"	"	5,040	"	"	"	8,363	"	"	"	4,032	"	"	"	..	"
3 C.	Do.	-	"	"	4,676	"	"	"	7,532	"	"	"	2,725	"	"	"	..	"
4 A.	-	-	0'742	7	4,032	"	..	..	5,348	"	6,062	140	1,400	"	2,044	210	..	"
4 B.	-	-	"	"	4,172	"	"	"	6,776	"	"	"	2,688	"	"	"	..	"
5 A.	Bush Bastard, or White Box.	-	1'065	2	5,992	"	5,774	74	8,363	"	7,511	138	4,779	"	4,704	207	..	"
5 B.	Do.	-	"	"	5,432	"	"	"	7,504	"	"	"	4,144	"	"	"	..	"
5 C.	Do.	-	"	"	5,096	33	"	"	6,636	"	"	"	5,189	"	"	"	..	"
5 D.	Do.	-	"	"	5,516	"	"	"	7,511	"	"	"	"	"	"	"	..	"
6 A.	Red Box	-	0'903	5	3,632	"	4,007	77	5,086	"	5,082	142	3,920	"	5,119	206	..	"
6 B.	Do.	-	"	"	3,752	"	"	"	4,480	"	"	"	2,744	"	"	"	..	"
6 C.	Do.	-	"	"	3,228	"	"	"	5,264	"	"	"	3,733	"	"	"	..	"
6 D.	Do.	-	"	"	3,640	"	"	"	5,488	"	"	"	10,080	"	"	"	..	"
7 A.	Burama	-	0'860	6	3,080	"	3,450	78	4,816	"	4,788	"	"	"	"	"	..	"
7 B.	Do.	-	"	"	3,192	"	"	"	4,760	"	"	"	10,080	"	"	"	..	"
10 A.	Box of Illawarra	-	0'777	7	4,000	"	3,990	77	4,984	"	5,250	141	4,405	"	4,904	206	..	"
10 B.	Do.	-	"	"	3,920	"	"	"	5,516	"	"	"	5,404	"	"	"	..	"
19 D.	Gouphian	-	1'137	1	2,352	"	2,372	80	5,992	"	5,992	140	4,312	"	4,312	207	..	"
13 A.	Wobul	-	0'939	4	6,076	"	"	"	8,848	"	8,386	136	4,144	"	4,302	"	..	"
13 B.	Do.	-	"	"	6,468	"	"	"	7,924	"	"	"	5,040	"	"	"	..	"
14 A.	-	-	0'845	6	5,320	"	5,208	75	7,336	"	7,952	137	4,424	"	4,414	"	..	"
14 B.	-	-	"	"	5,096	"	"	"	8,568	"	"	"	4,405	"	"	"	..	"
15 A.	Moreton Bay Pine	-	0'482	10	2,912	"	"	"	"	"	"	"	"	"	"	"	..	"
15 B.	Do.	-	"	"	2,464	"	"	"	"	"	"	"	"	"	"	"	..	"
15 C.	Do.	-	"	"	1,904	"	"	"	"	"	"	"	"	"	"	"	..	"
15 D.	Do.	-	"	"	2,576	"	"	"	"	"	"	"	"	"	"	"	..	"
17 A.	Do.	-	0'715	8	3,640	"	3,948	77	5,292	"	5,334	141	6,608	"	7,317	204	..	"

17 E.	Cherry	Do.	-	-	-	4,256	3,052	79	5,376	4,508	142	8,027	10,080	202	202	202
19 A.	Do.	Do.	-	-	-	2,912	5,824	79	4,424	7,224	138	5,336	4,684	207	207	207
19 B.	Do.	Do.	-	-	-	3,192	5,824	79	6,882	7,224	138	5,336	4,684	207	207	207
21 A.	Do.	Do.	-	-	-	6,048	2,404	79	7,616	4,069	142	4,032	7,678	204	204	204
21 B.	Do.	Do.	-	-	-	2,044	2,404	79	4,200	4,069	142	5,376	7,678	204	204	204
22 A.	Do.	Do.	-	-	-	2,240	2,404	79	4,032	4,069	142	7,579	7,678	204	204	204
22 B.	Do.	Do.	-	-	-	2,402	2,404	79	4,032	4,069	142	7,579	7,678	204	204	204
22 C.	Do.	Do.	-	-	-	2,576	2,404	79	4,032	4,069	142	7,579	7,678	204	204	204
22 D.	Do.	Do.	-	-	-	4,256	3,913	77	3,976	5,614	141	10,080	3,504	209	209	209
23 A.	Do.	Do.	-	-	-	3,920	3,913	77	5,656	5,614	141	2,016	3,504	209	209	209
23 B.	Do.	Do.	-	-	-	3,556	3,913	77	5,656	5,614	141	4,256	3,504	209	209	209
23 C.	Do.	Do.	-	-	-	3,556	3,913	77	5,656	5,614	141	5,320	3,504	209	209	209
23 D.	Do.	Do.	-	-	-	3,488	3,913	77	5,656	5,614	141	5,320	3,504	209	209	209
24 A.	Ash, Beech, and Flindosa.	Do.	-	-	-	5,516	5,215	75	7,252	7,193	138	3,285	5,072	206	206	206
24 B.	Do.	Do.	-	-	-	4,368	5,215	75	7,252	7,193	138	3,285	5,072	206	206	206
24 C.	Do.	Do.	-	-	-	5,516	5,215	75	7,252	7,193	138	3,285	5,072	206	206	206
24 D.	Do.	Do.	-	-	-	4,368	5,215	75	7,252	7,193	138	3,285	5,072	206	206	206
25 A.	Do.	Do.	-	-	-	3,192	3,396	78	5,152	5,189	142	5,432	7,547	204	204	204
25 B.	Do.	Do.	-	-	-	3,108	3,396	78	5,152	5,189	142	5,432	7,547	204	204	204
25 C.	Do.	Do.	-	-	-	2,800	3,396	78	5,152	5,189	142	5,432	7,547	204	204	204
25 D.	Do.	Do.	-	-	-	4,536	4,508	76	5,600	5,740	140	10,080	8,232	203	203	203
26 A.	Cherry of the Clar- ence.	Do.	-	-	-	4,480	4,508	76	5,600	5,740	140	10,080	8,232	203	203	203
26 B.	Do.	Do.	-	-	-	4,480	4,508	76	5,600	5,740	140	10,080	8,232	203	203	203
27 A.	Native Tamarind	Do.	-	-	-	3,808	4,069	77	5,880	5,357	141	6,884	2,482	210	210	210
27 B.	Do.	Do.	-	-	-	3,920	4,069	77	5,880	5,357	141	6,884	2,482	210	210	210
27 C.	Do.	Do.	-	-	-	6,944	6,972	73	7,280	8,848	135	2,632	4,251	207	207	207
28 A.	Native Plum	Do.	-	-	-	6,412	6,972	73	7,280	8,848	135	2,632	4,251	207	207	207
28 B.	Do.	Do.	-	-	-	6,412	6,972	73	7,280	8,848	135	2,632	4,251	207	207	207
28 C.	Do.	Do.	-	-	-	6,412	6,972	73	7,280	8,848	135	2,632	4,251	207	207	207
28 D.	Do.	Do.	-	-	-	6,412	6,972	73	7,280	8,848	135	2,632	4,251	207	207	207
29 A.	Do.	Do.	-	-	-	7,280	2,590	79	4,556	4,858	142	8,624	9,352	203	203	203
30 A.	Do.	Do.	-	-	-	2,548	2,590	79	4,556	4,858	142	8,624	9,352	203	203	203
30 B.	Do.	Do.	-	-	-	2,632	2,590	79	4,556	4,858	142	8,624	9,352	203	203	203
30 C.	Do.	Do.	-	-	-	5,824	6,287	73	8,428	8,106	137	4,956	4,088	208	208	208
30 D.	Do.	Do.	-	-	-	6,188	6,287	73	8,428	8,106	137	4,956	4,088	208	208	208
31 A.	Do.	Do.	-	-	-	6,216	7,028	73	7,754	8,288	136	5,115	4,822	207	207	207
31 B.	Do.	Do.	-	-	-	7,168	7,028	73	7,754	8,288	136	5,115	4,822	207	207	207
31 C.	Do.	Do.	-	-	-	7,000	7,028	73	7,754	8,288	136	5,115	4,822	207	207	207
31 D.	Do.	Do.	-	-	-	4,900	7,028	73	7,754	8,288	136	5,115	4,822	207	207	207
40 A.	Native Orange	Do.	-	-	-	4,984	5,711	74	8,288	7,448	138	3,920	6,440	205	205	205
43 A.	Do.	Do.	-	-	-	3,696	5,711	74	8,288	7,448	138	3,920	6,440	205	205	205
43 B.	Do.	Do.	-	-	-	4,480	4,088	77	7,168	5,922	140	3,920	4,076	207	207	207
44 A.	Black Myrtle	Do.	-	-	-	4,480	4,088	77	7,168	5,922	140	3,920	4,076	207	207	207
44 B.	Do.	Do.	-	-	-	4,480	4,088	77	7,168	5,922	140	3,920	4,076	207	207	207
45 A.	Do.	Do.	-	-	-	4,480	4,088	77	7,168	5,922	140	3,920	4,076	207	207	207
45 B.	Do.	Do.	-	-	-	4,480	4,088	77	7,168	5,922	140	3,920	4,076	207	207	207

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I. Specific Gravity.		Table II. Actual Breaking Weight.		Table III. Mean Breaking Weight.		Table IV. Actual Direct Crushing Weight.		Table V. Mean Direct Crushing Weight.		Table VI. Actual Transverse Crushing Weight.		Table VII. Mean Transverse Crushing Weight.		Table VIII. Elasticity.	
			Distilled Water being 1 000.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
47 A.	Resewood	New South Wales (North).	0 840	6	4 480	33	4 802	76	7 728	102	7 659	137	2 520	168	9 277	203	225	
47 B.	Do.	Do.	"	"	5 320	"	"	"	7 580	"	"	"	7 728	"	"	"	"	
47 C.	Do.	Do.	"	"	4 200	"	"	"	7 580	"	"	"	5 320	"	"	"	"	
47 D.	Do.	Do.	"	"	5 208	"	"	"	7 691	"	"	"	10 080	"	"	"	"	
51 A.	Pencil Cedar	Do.	0 792	7	4 480	35	4 515	76	6 944	"	6 454	139	3 080	"	2 383	210	"	
51 B.	Do.	Do.	"	"	4 536	"	"	"	6 092	"	"	"	2 408	"	"	"	"	
51 C.	Do.	Do.	"	"	3 892	"	"	"	6 020	"	"	"	"	"	"	"	"	
51 D.	Do.	Do.	"	"	5 152	"	"	"	6 160	"	"	"	"	"	"	"	"	
53 A.	Do.	Do.	0 935	4	5 544	"	5 530	74	7 084	"	6 902	"	1 512	"	6 092	205	"	
53 B.	Do.	Do.	"	"	5 544	"	"	"	6 780	"	"	"	10 080	"	6 094	"	"	
53 C.	Do.	Do.	0 939	22	5 986	"	5 632	74	7 952	"	8 092	137	7 877	"	6 094	"	"	
54 A.	Do.	Do.	"	"	5 320	"	"	"	8 282	"	"	"	4 812	"	"	"	"	
54 B.	Do.	Do.	"	"	6 384	"	7 453	72	8 176	"	8 512	136	4 480	"	4 242	207	"	
60 A.	Hickory, Lignum Vitæ.	Do.	0 954	22	7 168	"	5 292	"	8 848	"	6 801	139	4 004	"	6 146	205	"	
60 B.	Do.	Do.	"	"	5 852	"	"	"	7 112	"	"	"	6 692	"	"	"	"	
61 A.	Flindosa	Do.	0 743	7	4 984	"	"	"	6 720	"	"	"	8 784	"	"	"	"	
61 B.	Do.	Do.	"	"	5 040	"	"	"	6 656	"	"	"	8 784	"	"	"	"	
61 C.	Do.	Do.	"	"	5 292	"	"	"	7 137	"	"	"	5 572	"	"	"	"	
61 D.	Do.	Do.	"	"	7 504	"	6 372	73	11 088	"	10 248	134	4 791	"	3 882	208	"	
63 A.	Flintmendosa	Do.	0 856	4	6 440	"	4 498	75	9 408	"	7 168	138	3 024	"	3 220	209	"	
63 B.	Do.	Do.	"	"	4 844	"	"	"	6 384	"	"	"	3 192	"	2 588	210	"	
64 A.	Tea Tree	Do.	1 058	2	5 152	"	5 502	74	7 952	"	7 531	"	1 680	"	5 581	206	"	
64 B.	Do.	Do.	0 871	5	5 600	"	"	"	8 400	"	"	"	2 496	"	"	"	"	
66 A.	Bestard Myall	Do.	"	"	5 404	"	5 908	"	9 436	"	8 832	135	4 443	"	5 581	206	"	
66 B.	Do.	Do.	"	"	6 244	"	"	"	8 428	"	"	"	6 720	"	"	"	"	
67 A.	Do.	Do.	0 959	4	5 572	"	2 408	"	3 976	"	3 976	142	4 676	"	4 312	207	"	
67 B.	Do.	Do.	"	"	5 276	"	"	"	3 836	"	"	"	3 948	"	"	"	"	
68 A.	Do.	Do.	0 565	9	2 940	"	4 116	"	4 116	"	6 729	139	10 080	"	7 014	204	"	
68 B.	Do.	Do.	"	"	5 096	"	4 774	76	7 131	"	"	"	3 360	"	"	"	"	
69 A.	Do.	Do.	0 784	7	5 096	"	"	"	6 328	"	"	"	3 360	"	"	"	"	
69 B.	Do.	Do.	"	"	4 532	"	"	"	7 924	"	"	"	3 976	"	4 620	207	"	
71 A.	Swamp Oak	Do.	1 022	22	6 582	"	6 685	73	7 924	"	7 826	137	5 264	"	"	"	"	
71 B.	Do.	Do.	"	"	6 556	"	"	"	7 728	"	"	"	5 264	"	"	"	"	

74 A.	White Myrtle	-	0.982	3	7,112	6,860	73	8,400	103	8,200	136	5,801	35	5,772	205	230
74 B.	Do.	-	"	"	6,608	8,036	72	8,120	"	"	"	4,928	35	"	"	"
77 A.	Iron Bark of the Clarence.	-	1.157	"	7,840	"	"	12,320	"	12,264	134	"	35	5,002	206	"
77 B.	Do.	-	"	"	"	"	"	"	"	"	"	"	"	"	"	"
84 A.	Marblewood	-	0.903	5	8,282	7,154	73	12,208	"	9,212	135	5,077	35	5,740	205	"
84 B.	Do.	-	"	"	7,280	"	"	9,520	"	"	"	6,104	35	"	"	"
88 A.	-	-	0.982	3	7,028	6,370	"	8,904	"	8,698	136	5,376	35	6,720	204	"
88 B.	-	-	"	"	6,356	"	"	8,624	"	"	"	6,496	170	"	"	"
89 A.	-	-	0.905	5	6,354	7,423	"	8,652	"	8,792	"	4,368	35	4,880	206	"
89 B.	-	-	"	"	6,494	"	"	8,960	"	"	"	5,292	35	"	"	"
93 A.	-	-	0.674	8	7,000	3,500	78	8,624	"	5,880	140	10,080	35	10,080	202	"
93 B.	-	-	"	"	3,640	"	"	8,544	"	"	"	"	35	"	"	"
98 A.	Flooded Gum	-	0.958	4	3,860	4,965	75	6,216	"	7,949	137	"	35	8,540	203	"
102 A.	Do.	-	"	"	4,984	"	"	7,803	"	"	"	3,320	35	"	"	"
102 B.	Do.	-	"	"	4,312	"	"	8,344	"	"	"	10,080	35	"	"	"
102 C.	Do.	-	"	"	"	"	"	7,812	"	"	"	3,164	35	"	"	"
102 D.	Grey Gum	-	0.996	3	7,196	7,182	72	8,960	"	9,127	135	3,632	35	8,398	209	"
103 A.	Do.	-	"	"	7,168	"	"	9,236	"	"	"	4,424	35	"	"	"
103 B.	Do.	-	0.715	8	4,704	4,816	76	6,632	"	6,478	139	3,892	35	4,158	208	"
103 C.	Bitter Bark	-	"	"	4,928	"	"	6,804	"	"	"	3,904	35	"	"	"
104 A.	Do.	-	0.687	35	4,256	3,976	77	6,720	"	7,149	138	4,004	35	4,774	207	"
104 B.	Do.	-	"	"	3,696	"	"	7,579	"	"	"	5,544	35	"	"	"
105 A.	Light Yellow Wood	-	0.970	3	7,168	7,224	72	10,080	104	10,024	135	4,082	35	4,106	208	"
105 B.	Do.	-	"	"	7,280	"	"	9,988	"	"	"	5,563	35	5,525	206	"
106 A.	Iron Wood	-	0.793	7	4,200	3,990	77	7,504	"	6,944	139	5,488	35	7,135	204	"
106 B.	Do.	-	"	"	3,780	"	"	6,384	"	6,804	"	5,432	35	"	"	"
109 A.	Swamp Mahogany	-	0.968	4	5,208	5,605	74	8,400	"	"	"	6,384	35	"	"	"
109 B.	Do.	-	"	"	5,040	"	"	6,160	"	"	"	8,624	35	"	"	"
111 A.	Water Gum	-	"	"	5,124	"	"	6,384	"	"	"	8,101	35	"	"	"
111 B.	Do.	-	"	"	5,012	"	"	6,272	"	"	"	"	35	"	"	"
111 C.	Do.	-	"	"	4,872	"	"	6,468	109	6,888	"	"	175	4,872	206	"
111 D.	Do.	-	0.935	35	"	5,367	"	"	"	"	"	"	35	"	"	"
137 A.	Wallandum Deyem	-	"	"	5,376	"	"	7,308	"	8,472	143	10,080	35	"	"	"
137 B.	Do.	-	0.571	9	"	2,576	79	3,472	"	"	"	"	35	"	"	"
139 A.	White Myrtle, Blue Ash.	-	"	"	"	"	"	"	"	"	"	"	35	"	"	"
140 A.	Do.	-	0.600	35	3,136	43	78	5,152	"	5,204	141	8,928	176	9,501	203	"
140 B.	Do.	-	"	"	3,808	"	"	5,376	"	"	"	6,720	35	7,140	204	"
154 A.	Red Ash	-	0.821	6	5,264	4,886	75	8,960	110	8,282	136	7,560	35	10,080	202	"
154 B.	Do.	-	"	"	4,508	"	"	7,504	"	5,980	140	10,080	35	"	"	"
154 C.	Do.	-	0.752	7	4,648	4,984	"	5,912	"	"	"	"	35	7,973	203	"
155 A.	Found at Illawarra	-	"	"	5,320	"	"	6,048	"	"	"	4,144	35	"	"	"
155 B.	Do.	-	0.859	6	2,240	2,380	79	3,304	"	3,549	143	10,080	35	"	"	"
171 A.	White Beech	-	"	"	"	"	"	3,640	"	"	"	7,588	35	"	"	"
171 B.	Do.	-	"	"	"	"	"	3,136	"	"	"	"	35	"	"	"
171 C.	Do.	-	"	"	"	"	"	"	"	"	"	"	35	"	"	"

New South Wales (South).

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I.		Table II.		Table III.		Table IV.		Table V.		Table VI.		Table VII.		Table VIII.	
			Specific Gravity.	Page.	Actual Breaking Weight.	lbs.	Page.	Mean Breaking Weight.	lbs.	Actual Direct Crushing Weight.	lbs.	Page.	Actual Transverse Crushing Weight.	lbs.	Page.	Mean Transverse Crushing Weight.	lbs.	Elasticity.
			Distilled Water boiling 1'000.															
171 D.	White Beech	New South Wales	0.859	6	2,856	43	79	2,880	4,116	110	3,549	143	10,080	176	7,973	203	..	230
177 A.	Mountain Ash	(South).	0.750	7	4,480	39	4,882	76	6,272	39	6,426	140	39	39	10,080	202	..	39
177 B.	Do.	Do.	39	39	3,868	39	39	39	7,000	39	39	39	39	39	39	39	39	39
177 C.	Do.	Do.	39	39	4,144	39	39	39	6,160	39	39	39	39	39	39	39	39	39
177 D.	Do.	Do.	39	39	7,000	39	39	39	39	39	39	39	39	39	39	39	39	39
1 A.	Blue Gum	New South Wales (from Hunter River).	1.016	3	7,000	39	39	39	39	39	39	39	39	39	39	39	39	39
3 A.	Grey Gum	Do.	..	..	7,168	39	..	..	..	..	..	..	..	..	..	..	..	..
5 A.	Iron Bark	Do.	..	..	8,008	39	..	..	..	..	..	..	..	..	..	..	..	..
5 B.	Do.	Do.	..	..	8,120	39	..	..	..	..	..	..	..	..	..	..	..	..
6 B.	Mahogany	Do.	..	..	3,360	39	..	..	..	..	..	..	..	..	..	..	..	..
7 A.	Tea Tree	Do.	1.016	3	3,192	39	..	..	..	..	..	..	..	..	..	..	..	..
7 A.	Do.	Do.	..	..	2,128	39	..	..	..	..	..	..	..	..	..	..	..	..
8 A.	Iron Bark	Do.	..	..	9,445	39	..	..	..	..	..	..	..	..	..	..	..	..
8 B.	Do.	Do.	..	..	9,156	39	..	..	..	..	..	..	..	..	..	..	..	..
9 A.	Blue Gum	Do.	..	..	6,860	39	77	6,860	6,008	138	..	..	..	..	..	..	..	..
A.	Pine	Do.	..	..	3,845	39	..	..	..	..	..	..	..	..	..	..	..	..
57 B.	Hickory	New South Wales	..	..	5,320	41	..	..	6,008	138	..	..	7,544	174	..	..	..	230
57 C.	Do.	(South).	..	..	5,208	39	..	..	7,084	39	..	..	5,936	175	..	..	..	39
57 D.	Do.	Do.	..	..	4,928	39	..	..	6,720	39	..	..	7,784	39	..	..	..	39
59 A.	Prickly Tea Tree	Do.	0.810	6	3,472	39	3,880	77	6,384	39	6,384	140	10,080	39	10,080	202	..	39
59 B.	Do.	Do.	..	..	3,584	39	..	..	..	..	..	..	..	..	..	..	..	39
60 A.	Common Tea Tree	Do.	0.911	5	4,256	39	4,065	77	6,356	39	5,824	141	6,608	39	7,317	204	..	39
60 B.	Do.	Do.	..	..	3,472	39	..	..	4,984	39	..	..	10,080	39	..	..	..	39
60 C.	Do.	Do.	..	..	3,360	39	..	..	6,132	39	..	..	5,254	39	..	..	..	39
64 A.	Broad-leaved Tea Tree.	Do.	1.004	3	5,678	39	6,159	73	8,708	109	8,974	135	5,208	39	4,340	207	..	39
64 B.	Do.	Do.	..	..	5,432	39	..	..	9,240	39	..	..	3,472	39	..	..	..	39
70 A.	Myrtle	Do.	0.961	4	6,272	39	6,191	39	7,896	39	8,288	136	3,864	39	4,340	207	..	39
84 A.	Black Wattle of Il-lawarra.	Do.	..	..	6,916	39	7,409	72	8,680	39	8,456	136	4,816	39	5,572	206	..	39

84 B.	Do.	-	0.997	3	6,720	6,006	74	8,176	35	8,258	136	5,600	25	6,412	205	25
105 A.	River Oak.	Do.	-	3	6,552	3,789	77	9,296	35	5,810	141	6,272	25	10,080	202	25
105 B.	Do.	Do.	0.834	6	5,460	3,789	77	7,280	35	5,810	141	6,272	25	10,080	202	25
108 A.	Beech Brush Cherry	Do.	-	6	3,360	3,789	77	5,380	35	5,810	141	6,272	25	10,080	202	25
108 B.	Do.	Do.	0.834	6	3,360	3,789	77	5,380	35	5,810	141	6,272	25	10,080	202	25
120 A.	Do.	Do.	0.661	9	3,528	2,254	80	5,740	35	4,536	142	7,504	35	8,386	203	35
120 B.	Teak Wood	Do.	-	9	3,528	2,254	80	4,816	35	4,536	142	7,504	35	8,386	203	35
123 A.	Do.	Do.	0.614	25	3,052	2,659	79	4,256	35	3,769	142	10,080	35	10,080	202	35
125 A.	Maiden's Blush	Do.	-	25	2,184	2,659	79	3,340	35	3,769	142	10,080	35	10,080	202	35
125 B.	Do.	Do.	-	25	2,576	2,659	79	3,696	35	3,769	142	10,080	35	10,080	202	35
125 C.	Do.	Do.	-	25	3,080	3,789	77	4,098	35	3,769	142	10,080	35	10,080	202	35
125 D.	Do.	Do.	-	25	2,576	3,789	77	4,098	35	3,769	142	10,080	35	10,080	202	35
135 A.	Tamarind Tree	Do.	0.680	8	3,808	3,808	77	6,408	35	6,408	139	6,720	35	6,720	204	35
136 A.	White Myrtle, Blue	Do.	0.787	35	3,808	3,379	78	6,408	35	4,453	142	6,272	35	6,272	204	35
136 B.	Ash.	Do.	-	35	3,360	3,379	78	6,408	35	4,453	142	6,272	35	6,272	204	35
136 C.	Do.	Do.	-	35	3,360	3,379	78	6,408	35	4,453	142	6,272	35	6,272	204	35
136 D.	Do.	Do.	-	35	3,360	3,379	78	6,408	35	4,453	142	6,272	35	6,272	204	35
46 A.	Stringy Bark of Coast.	Do.	0.965	4	6,552	6,384	73	9,296	35	9,296	135	10,080	35	10,080	202	35
46 B.	Do.	Do.	-	35	6,384	6,384	73	9,296	35	9,296	135	10,080	35	10,080	202	35
46 C.	Do.	Do.	-	35	6,384	6,384	73	9,296	35	9,296	135	10,080	35	10,080	202	35
46 D.	Do.	Do.	-	35	6,384	6,384	73	9,296	35	9,296	135	10,080	35	10,080	202	35
47 A.	Stringy Bark, Appin	Do.	0.898	5	7,000	6,360	108	8,792	35	8,792	136	2,968	35	2,968	209	35
47 B.	Do.	Do.	-	5	7,000	6,360	108	8,792	35	8,792	136	2,968	35	2,968	209	35
47 C.	Do.	Do.	-	5	7,000	6,360	108	8,792	35	8,792	136	2,968	35	2,968	209	35
47 D.	Do.	Do.	-	5	7,000	6,360	108	8,792	35	8,792	136	2,968	35	2,968	209	35
48 A.	Stringy Bark, Camden.	Do.	1.008	3	5,936	6,209	35	8,792	35	8,792	136	2,968	35	2,968	209	35
48 B.	Do.	Do.	-	3	5,936	6,209	35	8,792	35	8,792	136	2,968	35	2,968	209	35
48 C.	Do.	Do.	-	3	5,936	6,209	35	8,792	35	8,792	136	2,968	35	2,968	209	35
48 D.	Do.	Do.	-	3	5,936	6,209	35	8,792	35	8,792	136	2,968	35	2,968	209	35
49 A.	Stringy Bark, Ber-rima.	Do.	0.920	4	5,600	5,428	74	7,592	35	7,592	138	10,080	35	10,080	202	35
49 B.	Do.	Do.	-	4	5,600	5,428	74	7,592	35	7,592	138	10,080	35	10,080	202	35
49 C.	Do.	Do.	-	4	5,600	5,428	74	7,592	35	7,592	138	10,080	35	10,080	202	35
49 D.	Do.	Do.	-	4	5,600	5,428	74	7,592	35	7,592	138	10,080	35	10,080	202	35
52 A.	Apple Tree of Coast	Do.	0.888	6	4,760	4,202	77	7,168	35	7,168	142	2,464	35	2,464	208	35
52 B.	Do.	Do.	-	6	4,760	4,202	77	7,168	35	7,168	142	2,464	35	2,464	208	35
52 C.	Do.	Do.	-	6	4,760	4,202	77	7,168	35	7,168	142	2,464	35	2,464	208	35
52 D.	Do.	Do.	-	6	4,760	4,202	77	7,168	35	7,168	142	2,464	35	2,464	208	35
53 A.	Apple Tree	Do.	0.868	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 B.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 C.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 D.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 E.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 F.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 G.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 H.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 I.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 J.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 K.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 L.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 M.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 N.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 O.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 P.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 Q.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 R.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 S.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 T.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 U.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 V.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 W.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 X.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 Y.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35
53 Z.	Do.	Do.	-	5	4,800	3,264	78	6,757	35	6,757	142	1,848	35	1,848	202	35

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I. Specific Gravity.		Table II. Actual Breaking Weight.		Table III. Mean Breaking Weight.		Table IV. Actual Direct Crushing Weight.		Table V. Mean Direct Crushing Weight.		Table VI. Actual Transverse Crushing Weight.		Table VII. Mean Transverse Crushing Weight.		Table VIII. Elasticity.	
			Distilled Water being 1 000.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
54 A.	Turpentine	New South Wales.	1.008	3	5,544	41	..	7,840	108	7,840	137	3,248	174	6,654	205	..	229	
54 B.	Do.	Do.	..	..	5,376	..	..	..	..	..	..	10,080	..	..	..	..	..
55 A.	Water Gum	Do.	0.999	..	6,440	..	6,622	73	5,880	6,684	139	7,448	..	8,764	203	..	230	
55 B.	Do.	Do.	..	..	5,600	..	..	..	..	..	..	10,080	..	..	..	..	..
57 A.	Hickory	Do.	0.881	5	..	..	5,657	74	6,972	6,840	..	6,636	..	7,000	204	..	228
57 B.	Black Butt Gum	Do.	0.946	4	6,412	39	7,103	73	7,840	8,449	136	2,800	173	8,094	203	..	..
27 C.	Do.	Do.	..	..	6,104	..	..	..	8,932	..	..	10,080	..	..	..	..	..
27 D.	Do.	Do.	..	..	5,992	..	..	..	8,848	..	..	1,568	..	..	..	..	..
27 E.	Do.	Do.	..	..	6,888	..	..	..	8,176	..	..	1,080	..	..	..	..	..
26 C.	Spotted or Mottled Gum.	Do.	1.006	3	..	..	..	..	106	8,260	..	4,256	..	3,752	208	..	..
26 D.	Do.	Do.	..	..	..	..	..	..	107	..	..	3,248	..	7,308	204	..	..
37 A.	Do.	Do.	1.063	2	6,720	..	5,992	74	8,732	9,072	135	3,696	..	..	..	..	..
37 B.	Do.	Do.	..	..	5,264	..	..	..	8,624	..	..	3,752	..	..	..	..	..
37 C.	Do.	Do.	..	..	..	..	..	..	7,728	..	..	3,620	..	..	..	..	..
37 D.	Do.	Do.	..	..	..	..	..	..	11,144	..	..	2,772	..	2,744	209	..	..
38 A.	Grey Gum	Do.	1.083	..	6,328	..	6,356	73	8,736	8,686	136	2,632	..	..	..	..	..
38 B.	Do.	Do.	..	..	5,712	..	..	..	8,568	..	..	2,688	..	..	..	..	..
38 C.	Do.	Do.	..	..	7,280	..	..	..	9,324	..	..	2,884	..	..	..	..	..
38 D.	Do.	Do.	..	..	6,104	..	..	..	8,036	..	..	2,632	..	..	..	..	..
39 A.	Messmate	Do.	1.024	3	5,880	..	..	..	7,448	7,588	137	2,464	..	2,765	..	..	..
40 A.	Do.	Do.	..	..	5,964	..	..	..	7,672	..	..	2,800	..	..	..	..	..
40 B.	Do.	Do.	..	..	5,936	..	..	..	7,560	..	..	3,164	..	..	..	..	..
40 C.	Do.	Do.	..	..	6,216	..	..	..	7,284	7,280	138	10,080	..	7,737	204	..	..
40 D.	Do.	Do.	..	..	5,040	..	5,451	74	7,392	..	..	3,062	..	..	..	..	..
42 A.	Swamp Mahogany	Do.	0.951	4	5,712	..	..	..	7,392	..	..	10,080	..	..	..	..	..
42 B.	Do.	Do.	..	..	4,480	..	4,438	76	5,964	5,488	141	10,080	..	10,080	202	..	..
42 C.	Do.	Do.	0.836	6	4,704	..	..	..	5,600	..	..	..	..	..	..	..	..
43 A.	Swamp Mahogany	Do.	..	..	4,804	..	..	..	5,768	..	..	..	..	..	..	..	..
43 B.	Do.	Do.	..	..	4,704	..	..	..	5,600	..	..	..	..	..	..	..	..
43 C.	Do.	Do.	..	..	4,804	..	..	..	5,768	..	..	..	..	..	..	..	..
43 D.	Do.	Do.	..	..	4,804	..	..	..	5,768	..	..	..	..	..	..	..	..
44 A.	Mahogany	Do.	1.009	3	5,516	..	6,118	73	7,644	7,884	137	..	174	..	..	..	..
44 B.	Do.	Do.	..	..	6,720	..	..	..	7,476	..	..	..	..	..	..	..	..

44 C.	Do.	-	-	-	8,240	106	5,740	141	5,320	172	6,160	205	225
44 D.	Do.	-	-	-	8,176	106	5,740	141	5,320	172	6,160	205	225
17 C.	Detackai Courroo	-	-	-	9,632	106	5,740	141	5,320	172	6,160	205	225
17 D.	Do.	-	-	-	9,856	106	5,740	141	5,320	172	6,160	205	225
18 A.	Blue Gum of Coast Districts.	-	-	-	5,292	106	5,740	141	5,320	172	6,160	205	225
18 B.	Do.	-	-	-	5,488	106	5,740	141	5,320	172	6,160	205	225
18 C.	Do.	-	-	-	6,444	106	5,740	141	5,320	172	6,160	205	225
19 A.	Blue Gum of Camden.	-	-	-	6,048	106	5,740	141	5,320	172	6,160	205	225
19 B.	Do.	-	-	-	6,238	106	5,740	141	5,320	172	6,160	205	225
19 C.	Do.	-	-	-	7,616	106	5,740	141	5,320	172	6,160	205	225
19 D.	Do.	-	-	-	6,216	106	5,740	141	5,320	172	6,160	205	225
20 A.	Blue Gum	-	-	-	6,720	106	5,740	141	5,320	172	6,160	205	225
20 B.	Do.	-	-	-	6,860	106	5,740	141	5,320	172	6,160	205	225
20 C.	Do.	-	-	-	6,532	106	5,740	141	5,320	172	6,160	205	225
20 D.	Do.	-	-	-	7,000	106	5,740	141	5,320	172	6,160	205	225
21 A.	Blue Gum	-	-	-	8,400	106	5,740	141	5,320	172	6,160	205	225
21 B.	Do.	-	-	-	8,736	106	5,740	141	5,320	172	6,160	205	225
21 C.	Do.	-	-	-	8,512	106	5,740	141	5,320	172	6,160	205	225
21 D.	Do.	-	-	-	8,344	106	5,740	141	5,320	172	6,160	205	225
23 A.	Gray Gum	-	-	-	8,540	106	5,740	141	5,320	172	6,160	205	225
23 B.	Do.	-	-	-	8,344	106	5,740	141	5,320	172	6,160	205	225
23 C.	Do.	-	-	-	10,025	106	5,740	141	5,320	172	6,160	205	225
23 D.	Do.	-	-	-	9,940	106	5,740	141	5,320	172	6,160	205	225
24 A.	Woolly Butt of Illawarra.	-	-	-	8,624	106	5,740	141	5,320	172	6,160	205	225
24 B.	Do.	-	-	-	6,720	106	5,740	141	5,320	172	6,160	205	225
24 C.	Do.	-	-	-	8,960	106	5,740	141	5,320	172	6,160	205	225
24 D.	Do.	-	-	-	5,936	106	5,740	141	5,320	172	6,160	205	225
25 A.	Rough-barked Gum	-	-	-	7,504	106	5,740	141	5,320	172	6,160	205	225
25 B.	Do.	-	-	-	6,288	106	5,740	141	5,320	172	6,160	205	225
25 C.	Do.	-	-	-	8,708	106	5,740	141	5,320	172	6,160	205	225
25 D.	Do.	-	-	-	8,276	106	5,740	141	5,320	172	6,160	205	225
8 C.	Do.	-	-	-	10,108	106	5,740	141	5,320	172	6,160	205	225
8 D.	Do.	-	-	-	8,120	106	5,740	141	5,320	172	6,160	205	225
10 A.	Box of Illawarra	-	-	-	7,728	106	5,740	141	5,320	172	6,160	205	225
10 B.	Do.	-	-	-	7,616	106	5,740	141	5,320	172	6,160	205	225
10 C.	Do.	-	-	-	9,128	106	5,740	141	5,320	172	6,160	205	225
10 D.	Do.	-	-	-	10,948	106	5,740	141	5,320	172	6,160	205	225
11 A.	Bastard Box of Illawarra.	-	-	-	10,920	106	5,740	141	5,320	172	6,160	205	225
11 B.	Do.	-	-	-	10,304	106	5,740	141	5,320	172	6,160	205	225
11 C.	Do.	-	-	-	10,864	106	5,740	141	5,320	172	6,160	205	225
11 D.	Do.	-	-	-	10,864	106	5,740	141	5,320	172	6,160	205	225

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I. Specific Gravity.		Table II. Actual Breaking Weight.		Table III. Mean Breaking Weight.		Table IV. Actual Direct Crushing Weight.		Table V. Mean Direct Crushing Weight.		Table VI. Actual Transverse Crushing Weight.		Table VII. Mean Transverse Crushing Weight.		Table VIII. Elasticity.	
			Distilled Water being 1'000.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
12 A.	True or Yellow Box of Camden.	New South Wales (South).	1'068	2	3,808	37	3,472	78	6,664	105	6,259	140	3,920	171	7,560	204	..	228
12 B.	Do.	Do.	"	"	3,192	"	"	"	6,216	"	"	"	4,256	"	"	"	"	"
12 C.	Do.	Do.	"	"	3,416	"	"	"	5,899	"	"	"	6,944	"	"	"	"	"
13 A.	Bastard Box	Do.	1'143	"	3,408	"	8,757	72	11,200	"	11,221	134	3,920	"	4,538	207	"	"
13 B.	Do.	Do.	"	"	8,400	"	"	"	10,724	"	"	"	6,720	"	"	"	"	"
13 C.	Do.	Do.	"	"	8,372	"	"	"	10,864	"	"	"	3,854	"	"	"	"	"
13 D.	Do.	Do.	"	"	8,848	"	"	"	12,096	"	"	"	3,659	"	"	"	"	"
13 A.C.	Do.	Do.	"	"	"	"	"	"	11,536	"	"	"	3,192	"	"	"	"	"
13 A.D.	Do.	Do.	"	"	"	"	"	"	10,752	"	"	"	4,368	"	"	"	"	"
14 A.	Bastard Box	Do.	1'083	"	8,876	"	"	"	10,080	"	"	"	2,884	"	3,780	208	"	"
14 B.	Do.	Do.	"	"	7,336	"	"	"	8,736	"	"	"	3,024	"	"	"	"	"
14 C.	Do.	Do.	"	"	6,216	"	"	"	9,800	"	"	"	2,716	"	2,989	209	"	"
14 D.	Do.	Do.	"	"	7,280	"	"	"	10,005	"	"	"	3,332	"	"	"	"	"
15 A.	Box	Do.	1'065	"	4,480	"	5,501	74	6,496	"	"	"	3,976	"	"	"	"	"
15 B.	Do.	Do.	"	"	5,600	"	"	"	7,448	"	"	"	4,480	"	"	"	"	"
15 C.	Do.	Do.	"	"	5,432	"	"	"	7,093	"	"	"	10,080	"	"	"	"	"
16 A.	Flooded Gum	Do.	1'050	"	4,256	"	4,681	76	6,440	"	6,440	140	7,840	"	7,840	203	"	"
17 A.	Dthackai Courroo	Do.	1'120	"	7,728	"	7,728	72	10,080	106	9,632	135	3,724	"	4,557	207	"	"
114 A.	Do.	Do.	"	39	"	"	"	"	8,960	"	"	"	5,600	"	"	"	"	"
114 B.	Brush Iron Bark	Do.	0'982	3	4,256	37	4,943	75	7,000	104	6,622	139	2,352	170	2,520	210	"	226
	Do.	Do.	"	"	4,732	"	"	"	6,244	"	"	"	2,688	"	"	"	"	"
1 A.	White or Pale Iron Bark.	New South Wales (South).	1'204	1	9,912	"	11,158	72	12,320	104	13,349	134	5,656	170	5,243	206	"	"
1 B.	Do.	Do.	"	"	11,648	"	"	"	14,366	"	"	"	5,292	"	"	"	"	"
1 C.	Do.	Do.	"	"	10,080	"	"	"	13,384	"	"	"	5,488	"	"	"	"	"
1 D.	Do.	Do.	"	"	9,996	"	"	"	13,328	"	"	"	4,536	"	"	"	"	"
2 A.	White Iron Bark	Do.	1'173	1	8,624	"	8,316	"	10,024	"	10,332	"	5,292	"	"	"	"	"
2 B.	Do.	Do.	"	"	7,784	"	"	"	10,640	"	"	"	4,200	"	4,746	207	"	"
2 C.	Do.	Do.	"	"	8,540	"	"	"	"	"	"	"	"	"	"	"	"	"
3 A.	Iron Bark	Do.	1'192	"	6,832	"	8,103	"	"	"	"	"	4,144	"	"	"	"	"
3 B.	Do.	Do.	"	"	8,204	"	"	"	"	"	"	"	7,252	"	"	"	"	"
3 C.	Do.	Do.	"	"	7,812	"	"	"	"	"	"	"	5,096	"	"	"	"	"

[illegible]

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I. Specific Gravity.		Table II. Actual Breaking Weight.		Table III. Mean Breaking Weight.		Table IV. Actual Direct Crushing Weight.		Table V. Mean Direct Crushing Weight.		Table VI. Actual Transverse Crushing Weight.		Table VII. Mean Transverse Crushing Weight.		Table VIII. Elasticity.	
			Distilled Water being 1'000.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
11 A.	Light Yellow Wood	Queensland	-	-	4,312	45	3,997	77	5,301	111	5,296	141	6,384	177	8,232	203	..	231
11 B.	Do.	Do.	0.667	8	3,920	"	"	"	5,292	"	5,320	"	10,080	"	"	"	..	"
11 Aa.	Do.	Do.	"	"	4,088	"	"	"	5,152	"	"	"	5,336	"	7,708	204	..	"
11 Ab.	Do.	Do.	"	"	3,668	"	"	"	5,488	"	"	"	2,277	"	"	"	..	"
12 A.	Flindosa	Do.	0.986	3	7,252	"	6,139	73	7,840	"	8,246	136	2,408	"	3,342	210	..	"
12 A.	Do.	Do.	"	"	4,928	"	"	"	8,652	"	"	"	2,362	"	"	"	..	"
12 Aa.	Do.	Do.	"	"	6,776	"	"	"	8,792	"	8,834	"	2,908	"	2,660	"	..	"
12 Ab.	Do.	Do.	"	"	5,600	"	"	"	8,876	"	"	"	2,968	"	"	"	..	"
13 A.	Do.	Do.	0.815	6	4,480	"	"	"	5,488	"	5,460	141	6,356	"	6,370	205	..	"
13 B.	Do.	Do.	"	"	3,136	"	"	"	5,432	"	"	"	6,384	"	"	"	..	"
13 Aa.	Do.	Do.	"	"	3,696	"	"	"	6,048	"	5,810	"	6,664	"	6,734	204	..	"
13 Ab.	Do.	Do.	"	"	4,340	"	"	"	5,072	"	"	"	6,804	"	"	"	..	"
14 A.	Do.	Do.	0.407	10	784	"	"	"	"	"	"	"	"	"	"	"	..	"
14 B.	Do.	Do.	"	"	"	"	"	"	"	"	"	"	"	"	"	"	..	"
15 A.	Silky Oak	Do.	0.780	7	2,688	"	2,772	79	5,040	112	4,592	142	4,256	178	4,326	207	..	"
15 B.	Do.	Do.	"	"	3,024	"	"	"	4,144	"	"	"	4,396	"	"	"	..	"
15 Aa.	Do.	Do.	"	"	2,996	"	"	"	4,816	"	4,368	"	10,080	"	10,080	202	..	"
15 Ab.	Do.	Do.	"	"	2,880	"	"	"	3,920	"	"	"	"	"	"	"	..	"
16 A.	Beef Wood	Do.	0.588	9	2,184	"	2,065	80	3,276	"	3,318	143	8,400	"	9,240	203	..	"
16 B.	Do.	Do.	"	"	2,128	"	"	"	3,360	"	"	"	10,080	"	"	"	..	"
16 Aa.	Do.	Do.	"	"	2,044	"	"	"	3,220	"	3,248	"	"	"	"	"	..	"
16 Ab.	Do.	Do.	"	"	1,904	"	"	"	3,276	"	"	"	"	"	"	"	..	"
17 A.	Tulip Tree	Do.	0.771	7	3,304	"	3,535	78	7,392	"	6,776	139	5,000	"	5,992	205	..	"
17 B.	Do.	Do.	"	"	3,528	"	"	"	6,160	"	"	"	6,384	"	"	"	..	"
17 Aa.	Do.	Do.	"	"	3,752	"	"	"	5,600	"	6,580	"	7,392	"	"	"	..	"
17 Ab.	Do.	Do.	"	"	3,556	"	"	"	7,500	"	"	"	4,480	"	5,936	"	..	"
18 A.	Do.	Do.	0.488	10	1,829	"	"	"	"	"	"	"	"	"	"	"	..	"
18 B.	Do.	Do.	"	"	859	"	"	"	"	"	"	"	"	"	"	"	..	"
19 A.	Light Wood	Do.	0.906	5	5,936	"	5,705	74	7,252	112	7,224	138	4,928	178	4,088	208	..	"
19 B.	Do.	Do.	"	"	5,376	"	"	"	7,196	"	"	"	3,248	"	"	"	..	"
19 Aa.	Do.	Do.	"	"	6,104	"	"	"	6,664	"	7,756	137	3,304	"	3,178	209	..	"
19 Ab.	Do.	Do.	"	"	5,404	"	"	"	8,848	"	"	"	3,052	"	"	"	..	"
20 A.	Callium	Do.	0.984	3	5,936	"	4,580	76	11,032	"	11,564	134	3,360	"	4,568	207	..	"
20 B.	Do.	Do.	"	"	8,400	"	"	"	12,696	"	"	"	5,376	"	"	"	..	"

20 Aa.	Do.	-	-	3,350	5,376	5,712	141	3,080	6,580	205	..	..
20 Ab.	Do.	-	-	3,192	5,516	5,474	..	10,080	10,080	202	..	..
20 Ba.	Do.	-	-	8,082	5,482	..	..	..	..	..	..	..
20 Bb.	Do.	-	-	3,500	4,984	..	..	..	..	..	..	..
21 A.	Cabbage Tree	-	-	2,744	5,482	..	142	..	..	..	..	..
21 B.	Do.	-	-	2,408	5,730	..	..	..	..	..	..	..
22 A.	Mountain Ash	-	-	4,984	8,400	..	..	4,592	4,592	207	..	..
23 A.	Do.	-	-	4,004	8,708	..	136	4,144	4,298	..	..	..
23 B.	Do.	-	-	7,336	8,213	..	..	4,443	..	..	..	..
23 Aa.	Do.	-	-	6,043	11,172	..	..	3,976	..	..	..	..
23 Ab.	Do.	-	-	6,384	8,932	..	134	8,752	8,864	208	..	..
24 A.	Broad-leaved Cherry	-	-	..	113	..	..	3,606	179	..	..	..
24 B.	Do.	-	-	6,692	8,876	..	135	9,114	8,752	..	..	..
24 Aa.	Do.	-	-	6,608	9,352	..	..	8,803	8,752	..	..	..
24 Ab.	Do.	-	-	3,680	5,903	..	141	5,726	3,501	..	..	..
25 A.	Cherry	-	-	3,276	5,544	..	..	4,443	3,506	..	..	..
25 B.	Do.	-	-	4,368	5,292	..	..	6,720	5,506	..	..	..
25 Aa.	Do.	-	-	3,304	5,124	..	..	4,293	..	..	..	..
25 Ab.	Do.	-	-	2,996	4,368	..	142	10,080	10,080	202	..	..
26 A.	Mangrove	-	-	3,228	5,093	..	..	..	10,080	..	..	..
26 B.	Do.	-	-	2,408	4,144	..	..	..	10,080	..	..	..
28 Aa.	Do.	-	-	2,884	4,396	..	137	5,544	4,956	206	..	..
28 Ab.	Do.	-	-	5,488	7,803	..	..	4,368	6,650	205	..	..
29 A.	Lignum Vitæ	-	-	5,572	8,204	..	..	6,720	..	..	..	..
29 B.	Do.	-	-	5,600	7,728	..	..	6,580	..	..	..	..
29 Aa.	Do.	-	-	3,304	7,616	..	142	8,780	3,780	208	..	..
29 Ab.	Do.	-	-	3,024	4,648	..	..	..	..	..	..	..
30 A.	Beech	-	-	3,360	4,816	..	..	5,264	4,322	207	..	..
30 B.	Do.	-	-	3,416	4,806	..	..	3,780	5,236	206	..	..
30 Aa.	Do.	-	-	2,464	4,144	..	..	5,096	..	..	..	..
30 Ab.	Do.	-	-	..	..	..	..	5,376	6,664	205	..	..
31 A.	White Cedar	-	-	..	..	..	..	6,720	..	..	..	..
31 B.	Do.	-	-	2,184	4,928	..	138	6,608	3,724	208	..	..
31 Aa.	Do.	-	-	1,307	4,704	..	..	3,080	..	..	..	..
31 Ab.	Do.	-	-	5,264	7,803	..	141	2,996	2,786	209	..	..
32 A.	Plum Tree	-	-	5,124	7,888	..	..	6,132	8,106	203	..	..
32 B.	Do.	-	-	4,256	6,048	..	140	7,616	..	..	..	..
32 Aa.	Do.	-	-	5,488	5,432	..	..	10,080	8,848	..	..	..
32 Ab.	Do.	-	-	4,452	5,768	..	141	10,080	..	..	..	..
33 A.	Rosewood	-	-	4,004	5,320	..	..	5,590	3,710	208	..	..
33 B.	Do.	-	-	3,472	5,861	..	136	8,376	..	..	..	..
33 Aa.	Do.	-	-	3,472	8,240	..	..	1,932	7,560	204	..	..
34 A.	Do.	-	-	4,648	8,512	..	..	5,852	..	..	..	..
34 Ab.	Dark Yellow Wood	-	-	4,634	6,884	..	141	10,080	..	..	..	..
35 A.	Do.	-	-	3,003	5,830	..	..	..	..	..	..	..
35 B.	Cucurite	-	-	..	..	..	114	..	..	..	..	..
35 B.	Do.	-	-	2,464	..	..	..	..	..	..	..	..

46 A.	0.815	6	4,536	4,697	76	5,992	6,020	140	4,144	38	4,256	207	35
46 B.		35	4,284	35	35	6,048	35	139	4,368	35	5,152	206	35
46 Aa.		35	5,376	35	35	6,468	35	141	5,152	35	4,214	208	35
46 Ab.		35	4,592	35	35	4,928	115	141	3,948	181	6,398	205	35
47 A.	0.768	7	4,816	3,710	77	6,384	5,656	140	6,104	35	4,116	203	263
47 B.		35	3,136	35	35	5,544	35	138	4,480	35	4,046	206	35
47 Aa.		35	3,080	35	35	6,300	7,331	135	4,680	35	4,900	209	35
47 Ab.		35	6,384	6,146	73	7,243	8,316	135	3,752	35	3,484	207	35
48 A.	1.004	3	5,600	35	35	7,420	5,918	135	2,128	35	2,044	210	35
48 B.		35	7,252	35	35	8,316	7,392	138	1,848	35	2,968	209	35
48 Aa.		35	5,348	35	35	9,620	5,236	138	3,696	35	7,322	204	35
48 Ab.		35	3,640	3,976	77	7,392	7,518	141	4,564	182	7,840	208	35
49 A.	0.903	5	3,584	35	35	7,756	5,796	138	3,304	35	4,852	207	35
49 B.		35	4,480	35	35	7,980	5,628	138	2,240	35	2,968	209	35
49 Aa.		35	4,200	35	35	7,980	5,432	138	3,696	35	7,322	204	35
49 Ab.		35	3,590	35	35	7,980	5,236	140	4,564	182	7,840	208	35
50 A.	0.870	5	2,716	35	35	5,376	6,104	138	3,696	35	7,322	204	35
50 B.		35	3,584	35	35	5,600	7,154	138	4,368	35	5,336	210	35
50 Aa.		35	2,632	35	35	5,656	5,852	141	3,276	35	2,646	210	35
50 Ab.		35	2,856	35	35	6,020	5,852	138	2,436	35	7,700	204	35
51 A.	0.709	8	2,800	35	35	4,844	7,126	138	5,320	35	7,700	204	35
51 B.		35	2,856	35	35	5,544	7,126	138	10,080	35	7,126	204	35
52 A.	0.891	5	2,968	3,416	78	4,928	6,720	139	4,712	35	6,328	205	35
52 B.		35	3,920	35	35	5,880	5,950	140	2,576	35	6,328	205	35
52 Aa.		35	3,920	35	35	6,328	4,116	142	10,080	35	10,080	202	35
52 Ab.		35	5,320	4,928	75	7,252	4,928	138	35	35	10,080	202	35
53 A.	0.939	4	4,928	35	35	7,056	4,928	138	35	35	10,080	202	35
53 B.		35	4,732	35	35	6,496	4,928	138	35	35	10,080	202	35
53 Aa.		35	5,488	4,914	35	6,384	4,928	138	35	35	10,080	202	35
53 Ab.		35	5,048	35	35	5,320	4,928	138	35	35	10,080	202	35
54 A.	0.916	35	5,600	35	35	6,384	4,928	138	35	35	10,080	202	35
54 B.		35	5,600	35	35	6,384	4,928	138	35	35	10,080	202	35
54 Aa.		35	5,152	35	35	7,392	4,928	138	35	35	10,080	202	35
54 Ab.		35	5,628	35	35	7,392	4,928	138	35	35	10,080	202	35
55 A.	0.998	35	4,956	35	35	6,020	4,928	138	35	35	10,080	202	35
55 B.		35	3,864	35	35	5,880	4,928	138	35	35	10,080	202	35
55 Aa.		35	3,304	35	35	3,752	4,928	138	35	35	10,080	202	35
55 Ab.		35	3,080	35	35	4,480	4,928	138	35	35	10,080	202	35
56 A.	0.797	7	3,248	35	35	5,600	4,928	138	35	35	10,080	202	35
56 B.		35	2,800	35	35	4,256	4,928	138	35	35	10,080	202	35
56 Aa.		35	6,608	35	35	7,374	8,633	136	3,920	35	4,340	207	35
56 Ab.		35	6,384	35	35	9,893	8,078	137	3,808	35	4,004	208	35
57 A.	0.956	4	6,888	6,496	73	7,868	8,078	137	3,808	35	4,004	208	35
57 B.		35	6,888	6,496	73	7,868	8,078	137	3,808	35	4,004	208	35
58 A.	0.986	35	6,888	6,496	73	7,868	8,078	137	3,808	35	4,004	208	35
58 B.		35	6,888	6,496	73	7,868	8,078	137	3,808	35	4,004	208	35

Ironwood
Do.
Myrtle

TABLE IX.—continued.

[illegible]

67 B.	Do.	-	-	7,672	10,556	9,170	3,948	2,450	210	25
67 Aa.	Do.	-	-	8,064	8,512	135	2,436	2,450	210	25
67 Ab.	Do.	-	-	7,168	9,828	136	2,464	2,114	25	25
68 A.	Turpentine Tree	-	-	5,376	9,240	74	2,852	2,114	25	25
68 B.	Do.	-	-	6,104	8,372	136	1,876	2,500	25	25
68 Aa.	Do.	-	-	6,104	8,344	136	2,716	2,500	25	25
68 Ab.	Do.	-	-	6,272	9,296	136	2,464	2,500	25	25
69 A.	Smooth - barked	-	-	4,844	5,936	140	2,408	2,660	25	25
69 B.	Gum.	-	-	4,592	6,440	141	2,912	2,660	25	25
69 Aa.	Do.	-	-	3,808	6,524	141	3,136	6,608	205	25
69 Ab.	Do.	-	-	4,620	5,244	142	10,080	7,578	204	25
70 A.	Blood Wood	-	-	3,856	5,572	142	5,077	7,578	204	25
70 B.	Do.	-	-	3,500	4,172	141	10,080	6,608	205	25
70 Aa.	Do.	-	-	4,368	5,392	141	3,136	6,608	205	25
70 Ab.	Do.	-	-	4,228	5,684	134	10,080	2,667	210	25
71 A.	Swamp	-	-	4,200	11,144	134	2,044	2,667	210	25
71 B.	Do.	-	-	6,720	10,500	138	2,091	2,672	209	25
71 Aa.	Do.	-	-	6,048	10,612	135	2,600	2,758	209	25
72 A.	Woolly Butt	-	-	7,112	9,800	135	2,856	2,456	210	25
72 B.	Do.	-	-	6,720	10,528	135	1,904	2,456	210	25
72 Aa.	Do.	-	-	7,754	9,408	138	2,968	3,332	209	25
72 Ab.	Do.	-	-	5,992	10,024	137	4,088	3,332	209	25
73 A.	Blue Gum	-	-	5,544	7,056	137	2,576	6,440	205	25
73 B.	Do.	-	-	5,600	7,784	137	2,800	6,440	205	25
73 Aa.	Do.	-	-	5,516	8,344	137	10,080	10,080	202	25
73 Ab.	Do.	-	-	3,360	7,728	142	10,080	10,080	202	25
76 A.	Prickly-leaved Tea Tree.	-	-	3,528	4,932	142	5,054	7,798	204	25
76 B.	Do.	-	-	2,968	4,954	141	5,390	7,798	204	25
76 Aa.	Do.	-	-	3,108	5,124	141	5,516	7,798	204	25
77 A.	Broad-leaved Tea Tree.	-	-	3,360	5,488	141	5,516	7,798	204	25
77 B.	Do.	-	-	3,584	5,292	140	10,080	2,808	209	25
79 A.	Common Tea Tree	-	-	4,832	6,160	140	3,099	2,808	209	25
79 B.	Do.	-	-	4,844	6,104	141	2,688	2,016	210	25
79 Aa.	Do.	-	-	4,368	6,440	141	10,080	2,016	210	25
79 Ab.	Do.	-	-	4,984	6,188	141	3,388	6,734	204	25
80 A.	Bottle Brush Tree	-	-	4,956	5,880	140	2,912	3,416	209	25
80 B.	Do.	-	-	5,096	5,488	140	3,920	3,416	209	25
80 Aa.	Do.	-	-	5,432	6,048	138	3,808	5,264	206	25
80 Ab.	Do.	-	-	5,404	7,336	138	6,720	5,264	206	25
81 A.	Do.	-	-	4,480	7,728	138	6,720	5,264	206	25
81 B.	Do.	-	-	3,416	7,728	138	6,720	5,264	206	25

94 A.	Silver Tree	-	0.905	5	4,340	4,382	76	7,868	137	2,464	2,464	210	236
94 B.	Do.	-	..	..	4,424	..	..	..	..	..	..	..	..
95 A.	-	-	..	..	..	..	..	..	..	..	..	..	..
95 B.	-	-	..	..	6,552	6,706	73	7,952	137	4,480	4,144	208	..
97 A.	-	-	1.077	2	6,860	..	..	119	..	3,808	..	..	..
97 B.	-	-	..	..	9,356	..	..	..	..	10,080	10,080	202	..
99 A.	Bean Tree	-	0.898	5	9,240	3,241	78	3,318	142	2,352	2,352	210	..
99 B.	Do.	-	..	..	5,836	..	..	5,292	141	..	..	..	..
99 Aa.	Do.	-	..	..	4,032	..	..	5,880	..	..	..	..	..
99 Ab.	Do.	-	..	..	2,576	2,332	79	..	..	..	..	..	..
100 Aa.	-	-	0.883	..	2,128	2,506	..	3,892	142	4,256	2,144	..	..
100 Ab.	-	-	..	..	2,240	..	..	3,804	143	2,604	6,342	205	..
102 A.	-	-	0.857	6	2,556	..	..	3,444	138	10,080	2,921	209	..
102 B.	-	-	..	..	2,688	5,306	75	7,068	..	2,556	..	..	..
102 Aa.	-	-	..	..	..	..	..	..	..	..	..	..	..
102 Ab.	-	-	0.944	4	5,432	..	..	..	..	2,986	7,028	204	..
104 A.	-	-	..	..	5,600	..	..	..	..	3,976	5,656	205	..
104 B.	-	-	..	..	2,772	8,087	79	5,384	141	5,152	4,984	206	..
104 Aa.	-	-	0.900	5	3,360	..	..	5,404	..	3,976	..	..	..
105 A.	-	-	..	..	3,248	..	..	..	..	8,696	5,012	..	..
105 B.	-	-	..	..	2,968	5,040	75	6,370	140	6,328	..	..	..
105 Aa.	-	-	..	..	4,648	..	..	7,448	138	3,808	3,206	209	..
105 Ab.	-	-	0.985	3	4,872	..	..	7,742	137	2,604	4,488	207	..
106 A.	-	-	..	..	4,480	..	..	8,288	..	4,396	..	..	..
106 Aa.	-	-	..	..	5,152	..	..	7,196	..	4,200	4,452	..	..
106 Ab.	-	-	..	..	5,488	..	..	7,952	..	4,704	5,362	206	..
106 B.	-	-	..	..	5,600	..	..	7,798	..	5,796	..	..	..
106 B.	-	-	..	..	5,432	6,629	73	7,432	..	4,928	..	..	..
106 C.	-	-	9.969	..	6,860	..	..	7,434	138	5,787	5,413	..	..
108 A.	-	-	..	..	6,860	..	..	8,594	136	5,040	4,741	207	..
108 B.	-	-	..	..	6,608	..	..	8,596	..	6,000	..	..	..
108 Aa.	-	-	1.012	..	7,280	7,182	72	9,032	121	4,741	6,000	205	..
109 A.	-	-	..	..	6,944	..	..	8,624	..	6,354	..	..	..
109 B.	-	-	..	..	7,504	..	..	8,568	..	3,864	3,864	208	..
109 Aa.	-	-	..	..	7,000	..	..	8,848	135	3,752	4,284	207	..
109 Ab.	-	-	0.932	4	4,424	3,654	78	8,848	137	3,752	..	..	..
110 A.	-	-	..	..	3,248	..	..	8,064	..	3,752	..	..	..
110 B.	-	-	..	..	3,192	..	..	..	..	3,752	..	..	..
110 Aa.	-	-	..	..	3,752	..	..	..	..	3,752	..	..	..
110 b.	-	-	..	..	..	..	..	..	..	..	..	..	..

Found in the Brick-

low Scrubs.

123 A.	-	-	-	-	5	6,664	6,146	73	8,521	8,516	136	2,800	2,058	210	..	..
123 B.	-	-	-	-	10	5,928	2,128	79	8,512	..	..	1,316	..	..	..	..
1 A.	Riga Fir	-	-	-	..	2,240	2,128	..	..	..	..	..	..	..	..	..
1 B.	Do.	-	-	-	..	2,016	..	..	..	..	..	..	..	..	..	..
1 C.	Do.	-	-	-	..	2,128	..	..	..	..	..	..	..	..	..	..
1 D.	Do.	-	-	-	..	2,520	..	..	..	..	..	..	..	..	..	..
2 A.	Larch	-	-	-	8	2,520	2,520	..	5,992	5,992	140	8,652	8,652	203	..	..
3 A.	Do.	-	-	-	6	2,012	2,912	..	6,244	6,244	..	5,488	5,488	206	..	..
4 A.	Do.	-	-	-	6	1,792	2,142	..	6,160	6,216	..	7,728	8,176	208	..	..
4 B.	Do.	-	-	-	2	2,492	..	..	6,272	6,272	..	8,624	..	..	..	..
5 A.	Do.	-	-	-	7	2,128	2,464	..	6,354	6,346	..	6,645	7,172	..	..	..
5 B.	Do.	-	-	-	..	2,800	..	..	6,369	..	..	7,700	..	..	..	..
6 A.	Riga Oak	-	-	-	9	3,388	2,870	..	4,900	4,862	142	10,080	4,280	207	..	..
6 B.	Do.	-	-	-	..	2,682	..	..	4,788	..	..	1,829	..	..	..	..
6 C.	Do.	-	-	-	..	2,576	..	..	5,280	..	..	..	..	..	..	..
6 D.	Do.	-	-	-	..	2,884	..	..	4,480	..	..	933	..	..	..	..
8 A.	Black Wood	-	-	-	7	5,348	5,065	75	8,792	10,173	134	6,235	6,164	205	..	..
8 B.	Do.	-	-	-	..	5,294	..	..	12,040	..	..	4,368	..	..	..	..
8 C.	Do.	-	-	-	..	4,872	..	..	9,893	..	..	10,080	..	..	..	..
8 D.	Do.	-	-	-	..	4,844	..	..	3,968	..	..	3,976	..	..	..	..
8 Aa.	Do.	-	-	-	..	5,404	..	..	10,920	..	..	3,771	4,433	207	..	..
8 Ab.	Do.	-	-	-	..	5,320	..	..	10,155	..	..	5,096	..	..	..	..
8 Ba.	Do.	-	-	-	..	3,304	..	..	7,112	7,485	138	6,244	6,909	204	..	..
8 Bb.	Do.	-	-	-	..	2,716	..	..	7,392	..	..	7,765	..	..	..	..
8 Bc.	Do.	-	-	-	..	5,096	..	..	7,952	..	..	6,720	..	..	..	..
8 Ca.	Do.	-	-	-	..	4,872	..	..	8,437	8,080	136	3,416	3,374	209	..	..
8 Cb.	Do.	-	-	-	..	4,586	..	..	7,840	..	..	3,808	..	..	..	..
8 Cc.	Do.	-	-	-	..	5,066	..	..	8,475	..	..	3,136	..	..	..	..
8 Cd.	Do.	-	-	-	9	2,800	3,113	79	..	..	..	..	..	..	..	..
67 A.	Sassafras	-	-	-	..	3,061	..	..	..	..	..	..	..	..	..	..
67 B.	Do.	-	-	-	..	2,427	..	..	..	..	..	..	..	..	..	..
67 C.	Do.	-	-	-	..	3,780	..	..	..	..	..	..	..	..	..	..
75 A.	Waddy Wood	-	-	-	..	4,312	..	..	7,728	7,068	138	8,544	6,651	205	..	238
75 B.	Do.	-	-	-	..	3,136	..	..	7,093	..	..	6,309	..	..	..	..
75 C.	Do.	-	-	-	..	5,376	..	..	6,384	8,398	136	5,301	4,256	207	..	..
75 Aa.	Do.	-	-	-	..	..	..	..	8,587	..	..	4,984	..	..	..	..
75 Ab.	Do.	-	-	-	..	..	..	..	8,960	..	..	4,312	..	..	..	..
75 Ac.	Do.	-	-	-	..	5,124	..	..	7,467	..	..	3,472	..	..	..	..
76 A.	Black Wattle	-	-	-	..	3,164	..	..	7,131	6,423	140	9,968	8,922	203	..	..
76 B.	Do.	-	-	-	..	3,976	..	..	6,384	..	..	10,080	..	..	..	..
76 C.	Do.	-	-	-	..	3,500	..	..	7,812	..	..	5,563	..	..	..	..
76 D.	Do.	-	-	-	..	2,660	..	..	4,368	..	..	10,080	..	..	..	..

TABLE IX,--continued.

No. of Specimen.	Name.	Colony.	Table I.		Table II.		Table III.		Table IV.		Table V.		Table VI.		Table VII.		Table VIII.	
			Specific Gravity.	Page.	Actual Breaking Weight.	Page.	Mean Breaking Weight.	Page.	Actual Direct Crushing Weight.	Page.	Mean Direct Crushing Weight.	Page.	Actual Transverse Crushing Weight.	Page.	Mean Transverse Crushing Weight.	Page.	Elasticity.	
			Distilled Water being 1'000.															
		Tasmania	1.028	2	3,948	59	..	8,437	123	8,151	137	3,659	190	3,627	208	288		
85 A.	Peppermint	Do.			4,032		..	7,952				3,136						
86 B.	Do.	Do.			4,502		..	8,064				4,088						
85 C.	Do.	Do.	0.849	6	2,632		3,635	78		6,279	149	5,544		4,354	207			
93 A.	Myrtle	Do.			3,640			6,008				3,523						
93 B.	Do.	Do.			3,584			6,524				5,600						
93 C.	Do.	Do.			3,892			6,496				2,744						
93 D.	Do.	Do.			3,892			5,544		5,896		1,596		6,125	205			
97 A.	White Gum	Do.	0.730	8	3,024		3,090	79				10,080						
97 B.	Do.	Do.			3,528			6,545										
97 C.	Do.	Do.			2,464			5,572										
97 D.	Do.	Do.			3,135			5,824										
102 A.	Silver Wattle	Do.	0.371	9	2,688		3,380	78										
102 B.	Do.	Do.			4,701													
102 C.	Do.	Do.			2,436													
102 D.	Do.	Do.			2,632													
116 A.	Blue Gum	Do.			4,312			6,608	124	7,147	138	10,080	191	6,874	204			
116 B.	Do.	Do.			3,528			6,580				4,088						
116 C.	Do.	Do.			4,144			7,952				3,248						
116 D.	Do.	Do.			4,368			7,448										
363 A.	Gum topped	Do.	9.929	4	4,480		7,312	72										
363 B.	Do.	Do.			6,608													
363 C.	Do.	Do.			5,836													
363 D.	Do.	Do.			5,976													
364 A.	Peppermint	Do.	0.913	5	3,024		3,208	78										
364 B.	Do.	Do.			1,232													
367 A.	Iron Wood	Do.			5,824			8,363		8,551	136	7,784		5,278	206			
367 B.	Do.	Do.			6,048			8,820				4,424						
367 C.	Do.	Do.			5,964			8,736				4,452						
367 D.	Do.	Do.			6,104			8,988				6,795						
369 A.	Tea Tree	Do.	0.845	6	3,472		4,039	77		8,031	137	6,664		6,340	205			
369 B.	Do.	Do.			4,088			7,765										
369 C.	Do.	Do.			3,584			8,512										
369 D.	Do.	Do.			3,640			8,092										

371 A.	Stringy Bark	Do.	..	6,020	..	10,640	10,612	134	1,792	4,421	207	..	..
371 B.	Do.	Do.	..	5,544	..	10,108	..	..	1,344	..	..	..	..
371 C.	Do.	Do.	..	6,160	..	11,172	..	..	1,269	..	..	..	..
371 D.	Do.	Do.	..	5,936	..	10,528	..	..	1,232	..	..	..	..
372 A.	Blue Gum	Do.	..	7,280	61	9,408	8,577	136	3,323	3,490	209	..	..
372 B.	Do.	Do.	..	6,608	..	7,728	..	..	3,696	..	..	..	..
372 C.	Do.	Do.	..	5,824	..	8,661	..	..	3,696	..	..	..	..
372 D.	Do.	Do.	..	6,160	..	8,512	..	..	3,248	..	..	..	..
373 A.	Stringy Bark	Do.	..	5,376	5,833	8,400	8,505	..	2,632	2,471	210	..	..
373 B.	Do.	Do.	..	5,068	..	8,764	..	..	3,276	..	..	..	..
373 C.	Do.	Do.	..	4,284	..	7,616	..	..	1,316	..	..	..	..
373 D.	Do.	Do.	..	5,824	..	9,240	..	..	2,660	..	..	..	..
373 A.	Do.	Do.	..	5,152	..	7,728	7,354	138	1,867	1,593	..	..	..
373 B.	Do.	Do.	..	4,620	..	7,754	..	..	2,128	..	..	..	..
373 C.	Do.	Do.	..	3,948	..	..	..	..	896	..	..	..	..
373 D.	Do.	Do.	..	4,368	..	6,552	..	..	1,484	..	..	..	..
373 A.	Do.	Do.	..	7,168	..	9,948	..	..	2,128	2,296	..	..	..
373 B.	Do.	Do.	..	4,732	..	8,363	..	..	..	..	..	..	..
373 C.	Do.	Do.	..	5,600	..	8,960	..	..	..	..	..	..	..
373 D.	Do.	Do.	..	4,172	4,467	76	8,717	136	2,464	8,512	203	..	..
374 A.	Blue Gum	Do.	..	3,976	..	7,000	..	..	10,080	..	..	..	..
374 B.	Do.	Do.	..	4,144	..	6,664	..	..	..	..	..	..	..
374 C.	Do.	Do.	..	3,808	..	..	..	..	..	..	..	..	..
374 D.	Do.	Do.	..	7,504	7,065	73	..	..	..	..	..	..	..
556 A.	Do.	Do.	..	7,280	..	..	..	..	..	..	..	..	..
556 B.	Do.	Do.	..	6,412	7,112	9,445	10,811	134	4,331	4,113	208	..	..
556 C.	Do.	Do.	..	5,973	..	10,780	..	..	4,480	..	..	..	..
558 A.	Do.	Do.	..	6,440	..	12,208	..	..	3,528	..	..	..	..
558 B.	Do.	Do.	..	7,112	..	7,541	8,248	136	2,492	4,431	207	..	..
558 C.	Do.	Do.	..	3,285	..	6,412	..	..	10,080	..	..	..	..
577 A.	Do.	Do.	..	3,360	..	8,960	..	..	2,576	..	..	..	..
577 B.	Do.	Do.	..	3,696	..	10,080	..	..	2,576	..	..	..	..
577 C.	Do.	Do.	..	4,760	..	..	..	..	..	..	..	..	..
577 D.	Do.	Do.	..	..	..	..	..	..	..	..	..	..	..
155 A.	Tapana	Trinidad	0° 37' 8"	4,508	4,763	76	7,386	188	3,808	3,822	208	..	..
155 B.	Do.	Do.	..	3,976	..	6,944	..	..	3,886	..	..	..	..
155 C.	Do.	Do.	..	5,152	..	..	..	..	..	..	..	..	..
155 D.	Do.	Do.	..	4,760	..	..	..	..	..	..	..	..	..
158 A.	Garlick Pear	Do.	0° 54' 8"	2,744	2,620	79	..	..	..	..	..	..	..
158 B.	Do.	Do.	..	2,613	..	..	..	..	..	..	..	..	..
158 C.	Do.	Do.	..	2,427	..	..	..	..	..	..	..	..	..
158 D.	Do.	Do.	..	2,436	..	..	..	..	..	..	..	..	..
162 A.	Do.	Do.	0° 54' 6"	1,344	..	..	..	..	..	..	..	..	..
162 B.	Do.	Do.	..	1,344	..	..	..	..	..	..	..	..	..
163 A.	Do.	Do.	0° 8' 47"	3,976	3,976	77	..	..	..	..	..	..	..

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I. Specific Gravity.		Table II. Actual Breaking Weight.		Table III. Mean Breaking Weight.		Table IV. Actual Direct Crushing Weight.		Table V. Mean Direct Crushing Weight.		Table VI. Actual Transverse Crushing Weight.		Table VII. Mean Transverse Crushing Weight.		Table VIII. Elasticity.	
			Distilled Water being 1 000.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
165 A.	Soap Nut Tree	Trinidad	0.825	6	3,554	61	3,920	77	6,048	126	6,374	140	1,512	193	3,854	208	..	238
166 B.	Do.	Do.	..	..	4,480	..	..	..	6,580	..	..	..	6,888	..	..	..	..	..
166 C.	Do.	Do.	..	..	3,360	..	..	..	6,496	..	..	..	3,164	..	..	..	..	..
167 A.	Cacapoule	Do.	0.675	8	2,996	..	3,098	79	..	..	..	..	..	..	..	..	..	..
167 B.	Do.	Do.	..	..	3,024	..	..	..	..	..	..	..	..	..	..	..	..	..
167 C.	Do.	Do.	..	..	3,276	..	..	..	..	..	..	..	..	..	..	..	..	..
168 A.	Surette	Do.	0.844	6	3,954	..	4,445	76	7,196	126	6,762	139	1,792	193	2,090	210	..	..
168 B.	Do.	Do.	..	..	4,256	..	..	..	6,496	..	..	..	2,016	..	..	..	..	..
168 C.	Do.	Do.	..	..	3,080	..	..	..	6,664	..	..	..	2,539	..	..	..	..	..
169 A.	Paraman	Do.	0.868	5	3,892	..	3,561	78	6,692	..	6,741	..	2,725	..	2,709	..	..	..
169 B.	Do.	Do.	..	..	3,416	..	..	..	7,084	..	..	..	1,643	..	..	..	..	..
169 C.	Do.	Do.	..	..	4,228	..	..	..	6,636	..	..	..	1,680	..	..	..	..	..
169 D.	Do.	Do.	..	..	2,454	..	..	..	6,104	..	..	..	4,788	..	..	..	..	..
171 A.	Galba	Do.	0.729	8	3,472	..	4,240	77	7,140	..	7,095	..	3,360	..	2,072	..	..	..
171 B.	Do.	Do.	..	..	5,264	..	..	..	6,608	..	..	..	1,712	..	..	..	..	..
171 C.	Do.	Do.	..	..	4,116	..	..	..	7,532	..	..	..	1,792	..	..	..	..	..
171 D.	Do.	Do.	..	..	3,360	63	..	..	7,131	..	..	..	1,456	..	..	..	..	..
180 B.	Crabtree	Do.	0.728	..	5,194	..	5,189	75	..	..	..	..	..	..	..	..	..	..
180 C.	Do.	Do.	..	..	5,040	..	..	..	..	..	..	..	..	..	..	..	..	..
180 D.	Do.	Do.	..	..	5,404	..	..	..	..	..	..	..	..	..	..	..	..	..
185 A.	Noyer	Do.	0.895	5	5,068	..	6,307	73	10,668	126	9,881	135	3,733	..	3,833	208	..	..
185 B.	Do.	Do.	..	..	7,000	..	..	..	9,184	..	..	..	3,640	..	..	..	..	..
185 C.	Do.	Do.	..	..	6,832	..	..	..	3,109	..	..	..	4,393	..	..	..	..	..
185 D.	Do.	Do.	..	..	6,328	..	..	..	10,565	..	..	..	3,668	..	..	..	..	..
186 A.	Mango	Do.	0.693	8	2,408	..	2,212	80	4,779	..	4,293	142	10,080	..	9,380	203	..	..
186 B.	Do.	Do.	..	..	2,016	..	..	..	3,808	..	..	..	8,680	..	..	..	..	..
187 A.	Gommier	Do.	0.720	..	3,696	..	3,633	78	5,336	..	5,555	141	1,456	..	..	..	..	..
187 B.	Do.	Do.	..	..	4,082	..	..	..	5,293	..	..	..	4,256	194	4,004	208	..	..
187 C.	Do.	Do.	..	..	3,360	..	..	..	6,048	..	..	..	5,152	..	..	..	..	..
187 D.	Do.	Do.	..	..	2,828	..	..	..	5,544	..	..	..	5,152	..	..	..	..	..
196 A.	Beef Wood	Do.	0.964	4	5,264	..	5,292	75	7,952	127	8,400	136	2,464	..	1,988	210
196 B.	Do.	Do.	5,320	8,848	1,512

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TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I.		Table II.		Table III.		Table IV.		Table V.		Table VI.		Table VII.		Table VIII.	
			Specific Gravity.	Page.	Actual Breaking Weight.	Page.	Mean Breaking Weight.	Page.	Actual Direct Crushing Weight.	Page.	Mean Direct Crushing Weight.	Page.	Actual Transverse Crushing Weight.	Page.	Mean Transverse Crushing Weight.	Page.	Elasticity.	Page.
219 A.	Tamarind	Trinidad	0.973	3	4,000	65	4,254	77	7,280	128	6,804	139	4,480	195	5,917	205	239	
219 B.	Do.	Do.	"	"	4,340	"	"	"	6,272	"	"	"	6,008	"	"	"	"	"
219 C.	Do.	Do.	"	"	4,452	"	"	"	7,108	"	"	"	6,664	"	"	"	"	"
220 A.	Casse	Do.	1.017	"	4,254	"	5,362	74	6,496	"	7,970	137	7,056	"	5,152	206	"	"
220 B.	Do.	Do.	"	"	4,648	"	6,076	"	6,384	"	"	"	3,248	"	"	"	"	"
221 A.	Guafamare	Do.	1.079	2	10,080	"	9,576	72	9,557	"	13,370	134	6,408	"	5,884	205	"	"
221 B.	Do.	Do.	"	"	9,072	"	4,896	"	13,104	"	7,116	138	5,301	"	2,247	210	"	"
222 A.	Bois Mulatre	Do.	0.951	4	5,012	"	4,592	75	7,429	"	"	"	2,660	"	"	"	"	"
222 B.	Do.	Do.	"	"	4,424	"	"	"	7,448	"	"	"	2,154	"	"	"	"	"
222 C.	Do.	Do.	"	"	5,096	"	"	"	6,272	"	"	"	1,456	"	"	"	"	"
222 D.	Do.	Do.	"	"	5,036	"	"	"	7,317	"	"	"	3,920	"	3,584	209	"	"
226 A.	Angelin	Do.	0.898	5	5,264	"	6,148	73	8,811	"	8,325	136	3,248	"	"	"	"	"
226 B.	Do.	Do.	"	"	6,372	"	"	"	7,840	"	"	"	"	"	"	"	"	"
226 C.	Do.	Do.	"	"	6,421	"	"	"	"	"	"	"	"	"	"	"	"	"
226 D.	Do.	Do.	"	"	3,136	"	"	"	"	"	"	"	"	"	"	"	"	"
227 A.	Do.	Do.	"	"	3,024	"	3,080	79	4,704	"	4,554	142	10,080	"	10,080	203	"	"
227 B.	Do.	Do.	"	"	4,405	"	"	"	4,405	"	"	"	"	"	"	"	"	"
237 A.	Sapodilla Sapotillier	Do.	1.138	"	7,028	"	6,104	73	10,752	"	10,052	135	5,600	196	5,506	206	"	"
237 B.	Do.	Do.	"	"	5,180	"	"	"	9,352	"	"	"	5,413	"	"	"	"	"
243 A.	Acoma or Mastic	Do.	1.190	"	6,654	"	6,650	"	8,885	"	8,754	136	4,069	"	3,686	208	"	"
243 B.	Do.	Do.	"	"	6,036	"	"	"	8,624	"	"	"	3,304	"	"	"	"	"
248 A.	Cypre	Do.	0.534	9	3,584	"	3,235	78	6,132	"	5,761	141	3,024	"	8,316	203	"	"
248 B.	Do.	Do.	"	"	4,032	"	"	"	6,440	"	"	"	"	"	"	"	"	"
248 C.	Do.	Do.	"	"	3,232	"	"	"	5,544	"	"	"	10,080	"	"	"	"	"
248 D.	Do.	Do.	"	"	3,192	"	"	"	4,928	"	"	"	"	"	"	"	"	"
257 A.	Pouli	Do.	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
257 B.	Do.	Do.	1.120	2	9,912	65	10,888	72	16,604	129	16,128	134	5,544	196	5,002	206	"	"
257 C.	Do.	Do.	"	"	10,108	"	"	"	15,652	"	"	"	5,460	"	"	"	"	"
257 D.	Do.	Do.	"	"	"	"	"	"	"	"	"	"	3,696	"	"	"	"	"
260 A.	Almond Tree	Do.	0.727	8	3,360	"	2,968	79	"	"	"	"	"	"	"	"	"	"
260 B.	Do.	Do.	"	"	2,576	"	"	"	"	"	"	"	"	"	"	"	"	"
262 A.	Olivier	Do.	1.025	3	5,264	"	5,404	74	6,776	129	7,959	137	2,912	196	3,910	208	"	"
262 B.	Do.	Do.	"	"	5,152	"	"	"	7,728	"	"	"	4,632	"	"	"	"	"

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16 C.	Do.	-	-	-	3,136	5,525	73	8,491	136	6,421	3,012	209	242
16 D.	Do.	-	-	-	3,528	7,754	73	8,491	137	3,444	4,006	204	242
22 A.	Iron Bark Tree	-	-	-	6,384	8,624	73	8,491	137	4,443	3,012	209	242
22 B.	Do.	-	-	-	6,406	8,848	73	8,491	137	3,696	3,012	209	242
22 C.	Do.	-	-	-	6,132	8,708	73	8,491	137	3,696	3,012	209	242
22 D.	Do.	-	-	-	6,720	8,699	73	8,491	137	3,696	3,012	209	242
28 A.	Do.	-	-	-	5,964	8,540	74	8,421	132	3,696	3,012	209	242
28 B.	Do.	-	-	-	7,168	8,661	74	8,421	132	3,696	3,012	209	242
28 C.	Do.	-	-	-	6,720	8,661	74	8,421	132	3,696	3,012	209	242
28 D.	Do.	-	-	-	5,516	8,661	74	8,421	132	3,696	3,012	209	242
28 A.	Do.	-	-	-	5,824	8,661	74	8,421	132	3,696	3,012	209	242
28 B.	Do.	-	-	-	4,480	8,661	74	8,421	132	3,696	3,012	209	242
28 C.	Do.	-	-	-	5,712	8,661	74	8,421	132	3,696	3,012	209	242
29 A.	Do.	-	-	-	5,544	8,661	74	8,421	132	3,696	3,012	209	242
29 B.	Do.	-	-	-	3,528	8,661	74	8,421	132	3,696	3,012	209	242
29 C.	Do.	-	-	-	4,816	8,661	74	8,421	132	3,696	3,012	209	242
29 A.	Do.	-	-	-	4,256	8,661	74	8,421	132	3,696	3,012	209	242
29 B.	Do.	-	-	-	5,404	8,661	74	8,421	132	3,696	3,012	209	242
29 C.	Do.	-	-	-	5,320	8,661	74	8,421	132	3,696	3,012	209	242
29 A.	Do.	-	-	-	3,864	8,661	74	8,421	132	3,696	3,012	209	242
29 B.	Do.	-	-	-	5,264	8,661	74	8,421	132	3,696	3,012	209	242
29 C.	Do.	-	-	-	5,096	8,661	74	8,421	132	3,696	3,012	209	242
31 A.	Do.	-	-	-	3,136	8,661	74	8,421	132	3,696	3,012	209	242
31 B.	Do.	-	-	-	2,800	8,661	74	8,421	132	3,696	3,012	209	242
31 C.	Do.	-	-	-	1,144	8,661	74	8,421	132	3,696	3,012	209	242
33 A.	Do.	-	-	-	2,688	8,661	74	8,421	132	3,696	3,012	209	242
33 B.	Do.	-	-	-	8,836	8,661	74	8,421	132	3,696	3,012	209	242
33 C.	Do.	-	-	-	2,919	8,661	74	8,421	132	3,696	3,012	209	242
33 D.	Do.	-	-	-	5,292	8,661	74	8,421	132	3,696	3,012	209	242
34 A.	Do.	-	-	-	4,116	8,661	74	8,421	132	3,696	3,012	209	242
34 B.	Do.	-	-	-	5,208	8,661	74	8,421	132	3,696	3,012	209	242
34 C.	Do.	-	-	-	3,360	8,661	74	8,421	132	3,696	3,012	209	242
34 D.	Do.	-	-	-	2,912	8,661	74	8,421	132	3,696	3,012	209	242
35 A.	Do.	-	-	-	3,248	8,661	74	8,421	132	3,696	3,012	209	242
35 B.	Do.	-	-	-	3,864	8,661	74	8,421	132	3,696	3,012	209	242
35 C.	Do.	-	-	-	2,604	8,661	74	8,421	132	3,696	3,012	209	242
35 D.	Do.	-	-	-	2,576	8,661	74	8,421	132	3,696	3,012	209	242
36 A.	Do.	-	-	-	2,800	8,661	74	8,421	132	3,696	3,012	209	242
36 B.	Do.	-	-	-	2,492	8,661	74	8,421	132	3,696	3,012	209	242
36 C.	Do.	-	-	-	4,060	8,661	74	8,421	132	3,696	3,012	209	242
36 D.	Do.	-	-	-	4,760	8,661	74	8,421	132	3,696	3,012	209	242
38 A.	Do.	-	-	-	5,460	8,661	74	8,421	132	3,696	3,012	209	242
38 B.	Do.	-	-	-	5,460	8,661	74	8,421	132	3,696	3,012	209	242
38 C.	Do.	-	-	-	5,460	8,661	74	8,421	132	3,696	3,012	209	242

TABLE IX.—continued.

No. of Specimen.	Name.	Colony.	Table I.		Table II.		Table III.		Table IV.		Table V.		Table VI.		Table VII.		Table VIII.	
			Specific Gravity.	Distilled Water being 1,000.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.	lbs.	Page.
38 D.	Native Cherry Tree	Victoria-	0.987	4	4,020	69	4,792	76	6,496	132	6,449	140	3,192	200	2,905	209	..	242
39 A.	Spurious Mulberry Tree	Do.	0.592	9	2,184	35	2,160	80	..	..	..	..	..	..	..	..	..	35
39 B.	Do.	Do.	..	35	2,240	..	..	35	..	..	..	..	..	..	..	..	..	35
39 C.	Do.	Do.	..	35	2,464	71	..	35	..	..	..	..	..	..	..	..	..	35
39 D.	Do.	Do.	..	35	2,408	..	..	35	..	..	..	..	..	..	..	..	..	35
39 Ad.	Do.	Do.	..	35	1,232	..	..	35	2,576	133	2,576	143	10,080	200	10,080	203	..	35
39 Ab.	Do.	Do.	..	35	2,100	..	..	35	..	..	..	..	..	..	..	..	..	35
39 Ac.	Do.	Do.	..	35	2,324	..	..	35	..	..	..	..	..	..	..	..	..	35
39 Ad.	Do.	Do.	..	35	..	..	..	35	..	..	..	..	..	..	..	..	..	35
40 A.	Coast Honeysuckle	Do.	0.640	55	2,688	35	2,486	79	3,528	133	3,574	143	10,080	200	10,080	203	..	35
40 B.	Do.	Do.	..	35	2,464	..	..	35	3,192	35	..	..	..	..	..	..	..	35
40 C.	Do.	Do.	..	35	..	..	..	35	4,004	..	..	..	..	..	..	..	..	35
40 D.	Do.	Do.	..	35	2,184	..	..	35	..	..	..	..	..	..	..	..	..	35
42 A.	Do.	Do.	0.916	55	5,780	35	4,868	75	6,608	133	6,575	139	5,488	200	5,751	205	..	35
42 B.	Do.	Do.	..	35	4,424	..	..	35	7,112	..	..	..	5,600	35	..	..	..	35
42 C.	Do.	Do.	..	35	5,488	..	..	35	6,944	35	..	..	5,339	35	..	..	..	35
42 D.	Do.	Do.	..	35	3,696	..	..	35	5,637	35	..	..	6,580	35	..	..	..	35
42 Ad.	Do.	Do.	..	35	5,180	..	..	35	7,691	35	6,983	..	5,600	35	5,558	206	..	35
42 Ab.	Do.	Do.	..	35	5,040	..	..	35	6,244	35	..	..	7,784	35	..	..	..	35
42 Ac.	Do.	Do.	..	35	4,732	..	..	35	7,392	35	..	..	4,704	201	..	..	..	35
42 Ad.	Do.	Do.	..	35	4,396	..	..	35	6,608	35	7,478	138	4,144	35	..	..	..	35
43 A.	Do.	Do.	0.882	5	4,424	35	4,581	76	7,392	35	..	..	7,616	35	6,960	204	..	35
43 B.	Do.	Do.	..	35	4,368	..	..	35	7,541	35	..	..	4,032	35	..	..	..	35
43 C.	Do.	Do.	..	35	4,144	..	..	35	7,420	35	..	..	9,819	35	..	..	..	35
43 D.	Do.	Do.	..	35	5,096	..	..	35	7,560	35	..	..	6,496	35	..	..	..	35
44 A.	Honeysuckle	Do.	0.657	9	756	35	870	80	..	..	..	..	10,080	35	10,080	203	..	35
44 B.	Do.	Do.	..	35	540	..	..	35	..	..	..	..	..	..	..	..	..	35
44 C.	Do.	Do.	..	35	840	..	..	35	..	..	..	..	..	..	..	..	..	35
44 D.	Do.	Do.	..	35	1,240	..	..	35	..	..	..	..	..	..	..	..	..	35
45 A.	Wattle	Do.	0.818	6	3,612	35	3,884	77	5,152	133	5,817	141	10,080	201	5,096	206	..	35
45 B.	Do.	Do.	..	35	3,696	..	..	35	6,356	35	..	..	5,152	35	..	..	..	35
45 C.	Do.	Do.	..	35	4,298	..	..	35	6,496	35	..	..	..	35	..	..	..	35
45 D.	Do.	Do.	..	35	4,760	..	..	35	5,264	35	..	..	..	35	..	..	..	35
46 D.	Do.	Do.	1.019	3	..	..	4,760	..	..	..	..	..	3,285	35	3,285	209	..	35

APPENDIX.

EXTRACT FROM PART I. OF THE REPORTS ON THE
PARIS EXHIBITION OF 1855.

Results of a Series of Experiments on the Strength and Resistance of various Colonial Woods, conducted at Paris by Capt. F. Fowke, R.E.

THE various collections of specimens of their woods, contributed by different countries to the Paris Exhibition, naturally come under the general head of Forestry, and, as such, belong to the Second Class of the system of classification adopted by the Imperial Commission, and have, doubtless, been dealt with generally by the jury of that class; but when considered in reference to their particular qualification for special purposes, some of these descriptions of timber also enter into the classes which treat of those branches of Art or manufacture, and it is in this way, that in their character of woods of construction, they are found enumerated in the first section of Classes XIII. and XIV., in which classes they are not, however, considered in reference either to their culture, botany, or general properties, but particularly as regards those qualities by which they are rendered suitable for the purposes of the arts treated of in those classes, viz., naval and military art and civil construction; and their value in this respect being mainly affected by such material qualities as their strength, toughness, weight, and elasticity, the present seems not an improper place for introducing the results of a series of experiments on these points made during the Exhibition upon some of the specimens of woods then for the first time brought in competition with each other, and with the ordinary woods already employed by the shipbuilder and carpenter.

Of woods adapted for shipbuilding and construction generally, the principal collections in the Exhibition were contributed by India, Canada, Australia, British Guiana, Jamaica, Van Diemen's Land, &c. Specimens of woods for various purposes were exhibited by many foreign States, viz., France, Algeria, Austria, the Dutch Colonies, &c., but those from the British Colonies above mentioned come more directly under the head of Woods of Construction, and in the contributions sent to the Exhibition by these countries, the prominent place is given in each case to their valuable collection of specimens of native woods. Of these, many, as in the case of the Canadian and some of the Indian timbers, are well known and commonly used in this country, but on examining the Colonial catalogues long lists are found filled with the names and descriptions of various kinds of woods used and valued in the colonies to which they belong, but in most cases unknown in England, and of the merits of which, as compared with the known timbers of commerce, the colonists themselves are totally ignorant.

The present appearing a favourable opportunity for instituting a comparison between some of those woods and those better known in Europe, it was resolved to submit such of the specimens as could be obtained to a series of experiments, with a view to testing, as fully as possible, their qualities of strength, weight, toughness, elasticity, &c. Unfortunately,

the specimens sent were generally of such small dimensions as to be totally useless for any practical test of strength, and many of them were exhibited as specimens of some individual peculiarity of growth, or accident, rather than as average representations of the class of timber to which they belong. In the case of three colonies, viz., Australia, British Guiana, and Jamaica, there was, however, sufficient data for obtaining some knowledge as to the comparative value, &c. of a number of different descriptions of timber, some being largely used in the localities in which they are produced, and considered by the colonists to be superior, in many cases, to the woods commonly employed for similar purposes in England.

A very accurate and delicate hydraulic machine for testing the strength of materials having been placed at my disposal by Mr. Dunn, of Manchester, I commenced a series of experiments on such specimens as could be obtained from the Colonial Commissioners, which were carried on in the part of the Exhibition building devoted to machinery, during the months of July, August, and September, and of which the history and results are here given.

The testing machine consisted of a hydraulic press with the piston-rod furnished with a cross-head, working horizontally in cast-iron guides, and having a connecting rod attached to it reaching to the end of the guides; a small valve in the cylinder, furnished with a steelyard and moveable weight, gave the means of ascertaining to a great nicety the exact amount of pressure applied.

As it was desirable, for obtaining the best comparative results, that the woods should all be tested as nearly as possible under similar circumstances, a standard dimension was sought which should be the greatest common to all the specimens, and it was found that a scantling of two inches square, with a length of from 14 to 16 inches, was the greatest that could be obtained to fulfil this condition; a few examples would not quite come up to this scantling, and one or two would not quite give the required length, but on the whole it was thought better to reduce the results obtained from these by calculation, than to cut down the size of all the pieces operated on for the sake of the few. The Australian specimens were generally from 4 feet 6 inches to 5 feet in length, and about two inches square, and these were first experimented on at these dimensions, and afterwards reduced to the fixed standard.

The mode of proceeding was as follows—the specimens were first reduced to the standard dimension, squared and planed perfectly true, labelled with a number, and entered in a catalogue.

Each piece was then carefully weighed and its specific gravity calculated.

The first experiment made was to ascertain the breaking weight, the specimen being supported at the ends, and the strain being applied at right angles to its length, midway between the points of support.

The bearing chosen as the standard was 1 foot, that being the greatest that was common to all the specimens, and two flat iron bars were accordingly fixed to the extremities of the guides of the machine at that distance apart, to serve as the points of support, a piece of iron, having an opening in it of 3 inches square, was shackled on to the end of the connecting rod of the machine through which the piece of wood was passed; the two ends were then brought to bear equally on the points of support, and the square ring above mentioned adjusted to the centre; a piece of strong leather was interposed between the ring and the wood to prevent any abrasion of the fibre, which was likely otherwise to take place under heavy strains; the weight of the connecting rod and ring was then carefully counterpoised so as to avoid any disturbance of the strain from its true horizontal direction, and a slip of paper was fastened

by beeswax to the upper part of the specimen at its centre, on which to note the deflection.

The weight on the steelyard having been placed at zero, the pump was slowly worked until the steelyard showed the first symptoms of motion; a straight edge was then applied to the two fulcra or points of support, and a line ruled across a slip of paper attached to the specimen and marked 0. Experience showed that in general no very perceptible deflection took place until the strain had reached 500 kilogrammes (1,102 lbs. English), and to follow out the principle of treating all the woods alike, the plan adopted therefore was to mark the deflection at each successive 500 kilogrammes of strain until it reached 3,000 (6,612 lbs.). As it was found that the increase of deflection became more rapid as the point of fracture was approached, the deflection was noted at intervals of 250 kilogrammes (551 lbs.), instead of 500 kilogrammes, when the strain exceeded 3,000 kilogrammes.

The exact point of fracture was easily discernible, as the steelyard of the machine, which had been gradually rising under the pressure, instantly fell, and could not be raised by any subsequent action of the pumps.

This experiment was repeated with as many examples of each kind of wood as could be obtained, and the mean noted, throwing out such experiments as were evidently unsatisfactory from being performed on a faulty specimen, or from any other cause.

In order to ascertain the power of the woods to bear a crushing strain, a number of small pieces, each measuring exactly an inch cube, were cut from the specimens and squared and planed true, a square bar of steel was introduced into the ring of the machine, having its ends bearing on the supports above mentioned, and the cubic inch specimens were each submitted to a crushing strain between the ring and the steel bar; this strain was applied both in the direction of the grain and also in a transverse direction, forming two distinct series of experiments.

In applying the strain in a longitudinal direction, the specimen having been placed in position, a slip of paper was fastened to the top of the ring, and the steelyard having been brought to zero, and noted as before, the amount which each specimen yielded to the crushing strain was marked on the paper at each 500 kilogrammes (1,102 lbs.), in the same manner as has been already explained in the case of the deflection, until it finally gave way, the point of failure being well marked, as in the former experiment.

When the specimens were submitted to a transverse crushing strain the failure, instead of being marked and sudden, as in the former cases, took place by degrees, the fibre gradually yielding from the first moment of the strain being applied, but no actual fracture taking place; the method of proceeding was therefore changed, and all the specimens having been submitted to the same strain, the amount of compression which each experienced was carefully marked and measured as before.

As before mentioned, the specimens of wood from Australia were experimented upon separately, as in the first experiment, but with a bearing of four feet instead of one.

In recording the results of these experiments a separate table is first devoted to each description of wood, in which is given a detailed account of the various tests to which it has been submitted, remarking on any peculiarity either in the specimen or in its mode of fracture or conduct under pressure, and adding such particulars as could be had concerning each. The order followed is the same throughout, viz., first, the name of the colony in which the wood is produced, then the various denominations under which it is known, whether botanical, aboriginal, or colonial; a short description follows, containing such information as could be obtained concerning the description of tree producing the timber, its

abundance or scarcity in the colony, its proximity to the coast or to navigable rivers, the purposes to which the timber is applied in the colony, and the estimation in which it is held there for strength, durability under various circumstances, or any other valuable quality that it may possess; where its cost in the colony, per foot cube, could be ascertained, it is given, and the diameter and height of the tree is added, as affording an index of the size of timber possible to be obtained. Then follows the history of the experiments in the order described above.

At the end a resumé of the whole is given in a series of four tables, in which the woods are placed in the order of their value in that particular experiment to which the table refers.

Table No. 1. Specific gravity.

„ No. 2. Transverse breaking weight.

„ No. 3. Crushing strain in the direction of the fibre.

„ No. 4. Transverse crushing strain.

In Table No. 2 the value of s is also given for each wood.

As for most purposes a timber acquires additional value from combining the properties of strength and lightness, a fifth table is added, in which the woods experimented upon are ranged in the order in which they stand as to the ratio of their strength to their specific gravity.

The steelyard of the testing machine having been graduated for French weights, the results of the experiments were noted in kilogrammes, and afterwards reduced into English pounds avoirdupois and decimal parts, and the deflections were marked in inches and decimals of an inch. This will account for the apparently irregular intervals at which the amounts of deflection and yielding were noticed.

FRANCIS FOWKE,

Captain Royal Engineers.

Note.—In conducting and registering these experiments I was assisted by Corporal James Mack, of the Royal Sappers and Miners, who displayed the greatest zeal, intelligence, and ability throughout.

In the catalogue of Australian products contributed to the Paris Exhibition the following appears as an introduction to the list of woods indigenous to New South Wales. It is from the pen of W. McArthur, Esq., Chief Commissioner from that colony to the Exhibition, and the collector and exhibitor of the specimens of wood from which those experimented upon were taken; and, as the information which it affords gives additional value to any experiments on the woods of that colony, it is here given intact.

CATALOGUE OF SPECIMENS OF WOODS indigenous to the SOUTHERN DISTRICTS, collected by Mr. W. McARTHUR, and exhibited by the Commissioners; with remarks descriptive of the nature of the Trees, and the qualities of their Wood, so far as these could be ascertained.

A short description of the general features of the kind of woodland from which have been collected the majority of the specimens of woods herein-after described in detail, with a few observations upon the general character of the latter, would seem to be a desirable introduction to the catalogue. They will be useful in rendering the subject more intelligible to all who have not had the opportunity of informing themselves by personal observation. For greater convenience the different descriptions of natural woodlands will be included under three classes; and the letter denoting its class will be inserted opposite to each specimen of wood.

Class A.—Forest more or less open; generally composed of trees with little or no underwood; their trunks more or less naked and lofty, height being a more conspicuous feature than diameter; their heads small in proportion to the trunks, divided into few secondary or tertiary ramifications, and thinly clothed with persistent, dry, dull-coloured, thick, leathery leaves, abounding in essential oils, and in their decomposition adding little to the vegetable matter in the soil. The different species of *Eucalyptus* and *Angophora*, with *Melaleuca*, *Callistemon*, *Syncarpia*, and *Lophostemon*, compose the larger trees which furnish all the common durable hard wood timber used in Sydney and the adjoining districts. Occasionally these dry forests pass into tracts crowded with trees, generally of a single species (still with little or no underwood), their trunks being drawn up to a great height, and of small diameter. The trees of this class are usually produced to a greater size, and with better quality of timber, on lands rather poor than good; the more fertile lands commonly producing trees of comparatively small dimensions, thinly scattered over their surface. The rich alluvial lands

on the margins of rivers are exceptions to this rule. They are almost always heavily timbered, and towards the coast their character passes from A. to C.

There are some characteristics applicable to the whole of the large trees of this class. When at full maturity they are rarely sound at heart, and even when they are so, the immediate heart-wood is of no value on account of its extreme brittleness. In sawing up logs into scantlings or boards, the heart is always rejected. The direction in which the larger species split most freely is never from the bark to the heart (technically speaking, the "bursting way"), but in eccentric circles round the latter. Some few of the smaller species of forest trees are exceptions to this rule; such as the different species of *Casurina Banksia*, and other species belonging to the natural order *Proteaceae*: the latter, however, with little exception, belonging to Class B. They split most freely the "bursting way," as do the oaks, &c., of Europe and America. A very serious defect prevails amongst a portion of the trees of this class, to such extent as to demand especial notice here. It is termed "Gum vein," and consists simply in the extravasation, in greater or less quantity, of the gum resin of the tree in particular spots, amongst the fibres of woody tissue, and probably where some injury has been sustained; or, which is a much greater evil, in concentric circles between successive layers of the wood. The former is often merely a blemish, affecting the appearance rather than the utility of the timber; but the latter, when occurring frequently in the same section of the trunk, renders it comparatively worthless, excepting for fuel. In the latter case, as the wood dries, the layers with gum veins interposing separate from each other; and it is consequently impracticable to take from trees so affected a sound piece of timber, excepting of very small dimensions. The whole of the species of *Angophora*, or Apple-tree, and many of the *Eucalypti*, or Gums, are subject to be thus affected; and it is the more to be regretted, because it appears to be the only reason why many of the trees so blemished should not be classed amongst the most useful of the hard woods of the colony. Another characteristic among these hard woods is deserving of notice. Although the majority of them make excellent fuel, and are valuable on account of the comparative quantity of steam they are capable of generating, the greater part are slow to kindle, and a few of them will hardly burn at all. To this circumstance, probably, is to be attributed the small number of houses burnt in a climate and amongst a population likely to afford an unusual proportion of such accidents. Few of the species of *Eucalypti* are rich in potash, but several of the genus *Angophora* contain it abundantly.

It would be difficult to form even an approximate estimate of the number of species of Class A. producing good timber throughout the settled districts of New South Wales. It is believed that very few of them have a wide range; the same local names being applied many times over to different species in different districts.

Class B.—Barren scrub, covered either wholly with low shrubby vegetation without trees, or with short-stemmed stunted trees, rarely or never producing serviceable timber. The same dry character of vegetation prevails over this description of country as over the last. The "bush-fires" which sweep over these barren scrubs once, at least, in every four or five years, effectually prevent the species which do not grow with naked trunks from obtaining the dimensions they might otherwise be susceptible of acquiring. At each burning the majority are killed to the ground to be reproduced from the collar. Good specimens of their wood for illustration are, therefore, scarcely attainable. It may be observed that the majority of the beautiful flowering shrubs of the colony have their habitats in this sort of country, which is always more or less rocky, stony, or sandy.

Class C.—Rich Brush or "Cedar Brush." Tracts of country rarely of great continuous breadth, but often alternating at short intervals with Class A., and prevalent only at moderate distances from the sea, or, at all events, to the eastward of the great dividing range.

This description of woodland often occupies country covered with rocks and stones, but of such geological character that a rich soil results from their decomposition. It usually follows the course of streams; and in country favourable, geologically speaking, to the formation of good land the cedar brushes fill up the valleys and the gorges of ravines with their dense vegetation. They are to be found in the greatest perfection at Illawarra, a few miles from the open seacoast, upon natural terraces skirting the mountain side at various elevations, up to 1,500 feet, and upon rich alluvial plains, particularly in the districts to the northward of Sydney, where they are described to be of great continuous extent. They produce few shrubs, but a variety of trees of considerable altitude, frequently of comparatively slender growth, almost universally clothed with beautiful, dense, bright green foliage, their umbrageous character being much increased by the numerous lofty ligneous climbers ("bush ropes") which attain their topmost branches, and frequently throw themselves from tree to tree. At Illawarra and in some other districts four species of arborescent ferns and two noble species of palms add materially to the tropical aspect of this description of country. A few of the trees of Class A. are to be observed thinly scattered through the cedar brushes. In such case they often attain the most magnificent dimensions, but their general character remains unaltered.

During the heats of summer the atmosphere of the cedar brushes is always much less dry, and the temperature more equable, than it is upon adjoining lands not clothed with rich vegetation. Bush fires rarely or never extend into their recesses, which are difficult to penetrate, even on foot, owing to the numerous irregularities of surface which prevail, and to the tangled nature of the vegetation. These difficulties apart, nothing can be imagined more charming to the beholder, especially where glades or natural openings occur, to enable him to comprehend the full grandeur of the still life around him. The extreme loftiness of the noble trees, which are thrown together in surprising variety; with stems, rarely cylindrical, but of the most picturesquely irregular forms, covered with mosses and orchids, and loaded aloft with huge masses of epiphytical ferns of exquisite beauty; all these vegetable wonders, viewed in the transparent, green, and almost sunless light which even on the brightest days pervades their recesses, combined

with the delicious fragrance and the agreeable temperature which in fine weather invariably characterizes the cedar brushes, astonish and gratify the lovers of sylvan scenery. But, although the senses are charmed, the difficulties in exploring them, to ascertain of what species of trees they consist, are very great; and still more serious are the obstacles to be surmounted in getting out new trees when found. The common use of the wood of the cedar (*Cedrela Australis*) in joiners' and cabinet work, and its extensive importation to the neighbouring colonies and to Europe, have induced the sawyers to penetrate into every nook from whence sawn timber could be dragged out. But in seeking out this particular tree they would appear to have neglected all the rest. The most experienced amongst them have no names for a great number, and can give little information to be relied upon with regard to the qualities of their timber. They have been in the habit of confounding together numerous species under the general head of "brush trees." It requires careful and laborious investigation on the part of a stranger in these brushes to distinguish trees of even very different families; their foliage is often so far overhead, and so intermingled with that of the neighbouring trees and climbers, their trunks are so covered with epiphytes, and the light is so imperfect, that the tree often requires to be cut down to determine its identity; even then it frequently becomes further requisite to cut down several of the neighbouring trees, which have their branches attached to it by the "bush-ropes," before the tree will fall, and bring the foliage within the explorer's reach. The uncertainty of their periods of flowering and fruiting gives rise to further difficulty. On the present occasion, although they have been repeatedly examined at short intervals over a period of six months, comprising the seasons at which they might be expected to show flowers or fruit, it is remarkable how few have been detected in a fertile state. These few forming the exception rather than the rule with the particular species to which they belong, it would appear to be certain that the great majority of the trees of this class do not flower every year, and many of them only at long intervals. In proof of the intimate intermixture of many kinds of trees it may be stated that, skirting a narrow track through a cedar brush for about half a mile, more than sixty species were observed, all growing within twenty or twenty-five yards of the tracks; of these above three-fourths were of the stature of trees. It may be remarked, also, that no two brushes resemble each other precisely; fresh species of trees make their appearance in each succeeding brush, whilst others disappear. This characteristic seems to prevail wherever an opportunity of examining them closely has been afforded. The timber of the trees of this class differs remarkably from Class A. The grain is much finer; it is also, for the most part, sound at heart; and the heart-wood, if not shaken in the fall of the tree, may be used, as is the case with the timber trees of Europe; even when a very large size, and not sound at the butt, they are usually perfectly so a little higher up; they differ generally, also, from the trees of Class A. in splitting most freely the "bursting way." Although their qualities be so little known, it is not to be doubted that some of them would prove of great value. The very imperfect collection of them which has been made on this occasion affords evidence that some possess considerable beauty. At the same time it should be observed, that the timber of a considerable portion is not durable when exposed to the weather or to damp; and that, as a class, they are, neither for strength nor lasting qualities, to be compared with the numerous, more coarsely grained, but almost imperishable woods of Class A.

Mr. Holmes, the Commissioner for British Guiana, in supplying the prices and descriptions of the various specimens of wood from that colony, has also sent the following information, which is most important in a commercial point of view:—

The colony is intersected by numerous large rivers, navigable for vessels of large burthen, which can thus penetrate into the heart of primitive forests capable of affording an unlimited supply of timber, and, as in many parts of the colony the trees are cut down in the immediate vicinity of these rivers and creeks, the cost of the wood, which has been given wherever it could be ascertained, depends alone on the price of labour for felling and squaring.

NEW SOUTH WALES.

No. 1.—Botanical name, *Tristiana nerifolia*. Natural order, MYRTACEÆ. Aboriginal name, OORAMILLY. Local name, WATER GUM.

"A very fine tree, with lofty cylindrical boll; timber close-grained and elastic, valuable for boat-building. Common at Illawarra, high up the side of the mountain; requires to be seasoned carefully."

The average diameter of the tree is from 30 inches to 50 inches. The average height, from 100 feet to 130 feet.

Specific gravity of specimen, 1·001, water being 1·000.

NOTE.—The Weights are all reduced from Kilogrammes.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1½	1	3967·2
2	1 1	1½	1	4848·8

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
1102 lbs.	0'12 in.	0'05 in.
2204	0'24	0'11
3306	0'59	0'19
4408	.	0'27

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre
The Dimensions of the Specimens for ascertaining the Crushing Strain, unless otherwise stated, are 1 inch cube.

Strain applied.	Amount yielded.
11020 lbs.	0'04 in.
Crushing Weight	11020 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204 lbs.	0'12 in.
4408	0'18
6612	0'27
8816	0'61

No. 2.—Botanical name, *Eucalyptus pillularis*. Natural order, MYRTACEÆ. Local name, MOUNTAIN ASH, or WHITE or WILLOW TOP.

"A remarkable specimen of Eucalyptus, found only on the summits of rocky or stony ranges; common over a wide extent of the great dividing range; with very dark-coloured rugged outer bark on the trunk, and smooth white bark on the branches; timber very hard, tough, and durable; much prized for poles and shafts of drays. Specimen collected very indifferent."

The average diameter of the tree is from 36 inches to 60 inches. The average height, from 100 feet to 130 feet.

Specific gravity of specimen, 1'110.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1 $\frac{1}{2}$	1	7824'2
2	1 2	1 $\frac{1}{2}$	1	8265'0
3	1 2	1 $\frac{1}{2}$	1	8044'6
4	1 2	1 $\frac{1}{2}$	1	7934'4
5	1 2	1 $\frac{1}{2}$	1	

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.		Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.		Specimen 1.	Specimen 2.
1102 lbs.	.	0'05 in.	5310 lbs.	.	0'22
2204	1'69 in.	0'09	6612	.	0'26
3306	.	0'13	7714	.	0'3
4408	.	0'17			

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
11020 lbs.	0'07 in.
Crushing Weight	11020 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
8816 lbs.	0'12 in.

No. 3.—Botanical name, *Eucalyptus media*. Natural order, MYRTACEÆ.
 Aboriginal name, YARR WARRA. Local name, BLACK BUTT.

"One of the largest of the Eucalypti, producing excellent durable timber for house carpentry, or any purpose where strength and durability are the chief requisites; attains upwards of 30 feet in circumference, but in such cases is always very hollow."
 The average diameter of the tree is from 36 inches to 72 inches. The average height is from 100 feet to 200 feet.

Specific gravity of specimens, 0·891.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1 $\frac{1}{2}$	4	3857·0
2	1 3	1 $\frac{1}{2}$	1	8154·8
3	1 3	1 $\frac{1}{2}$	1	7754·7
4	1 3	1 $\frac{1}{2}$	1	5510·0
5	1 3	1 $\frac{1}{2}$	1	6281·4
6	1 3	1 $\frac{1}{2}$	1	6612·0
7	1 3	1 $\frac{1}{2}$	1	8154·8
8	1 3	1 $\frac{1}{2}$	1	7229·1

SECOND EXPERIMENT, for noting the Deflection.
 Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.		Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.		Specimen 1.	Specimen 2.
1102 lbs.	· · ·	0·12 in.	4408 lbs.	· · ·	0·14 in.
2204	· · ·	No	5510	· · ·	0·2
3306	0·56 in.	appreciable difference.	6612	· · ·	0·25
			7163	· · ·	0·29
			7714	· · ·	0·44

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre

Strain applied.	Amount yielded.
4408 lbs.	0·03 in.
6612	0·04
8816	0·06
11020	0·18
Crushing Weight	11020·0 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204 lbs.	· · · 11 in.	6612 lbs.	· · · 0·60 in.
3304	· · · 44	8816	· · · 0·64
4408	· · · 56		

No. 4.—Botanical name, *Eucalyptus* Sp. Natural order, MYRTACEÆ.
 Aboriginal name, GNAULI. Local name, WOOLLY BUTT.

"Very large and fine timber tree; its wood much prized for felloes of wheels, and other work requiring strength and toughness."
 The average diameter of the tree is from 36 inches to 72 inches. The average height from 100 feet to 150 feet.

Specific gravity of specimen, 1·005.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1 $\frac{1}{2}$	4	3085·6
2	1 3	1 $\frac{1}{2}$	1	7273·2
3	1 3	1 $\frac{1}{2}$	1	4518·2
4	1 3	1 $\frac{1}{2}$	1	4738·6
5	1 3	1 $\frac{1}{2}$	1	3857·0

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.		Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.		Specimen 1.	Specimen 2.
1102 lbs.	- - -	0.03 in.	5510 lbs.	- - -	0.19 in.
2204	0.81 in.	0.04	6612	- - -	0.21
3306	- - -	0.08	7714	- - -	0.34
4408	- - -	0.13			

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
1102 lbs.	Nothing perceptible.	4408 lbs.	0.04 in.
2204	0.03 in.	5510	None perceptible.
3306	No perceptible increase.	6612	0.07 in.
	Crushing Weight		7063.8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
1102 lbs.	Not perceptible.	5510 lbs.	0.31 in.
2204	0.07 in.	6612	0.34
3306	0.12	7714	0.36
4408	0.21	8816	0.4

No. 5.—Botanical name, *Eucalyptus* Sp. Natural order, MYRTACEÆ.
Aboriginal name, BARREMMMA. Local name, IRON BARK.

"The timber of this rugged-looking tree is of the highest reputation for strength and durability; differs from the Iron Barks of Cumberland and Camden."
The average diameter of the tree is from 36 inches to 72 inches. The average height is from 100 feet to 150 feet.
Specific gravity of specimen, 1.032.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In Square.	Feet.	Lbs.
1	4 6	12	4	3416.2
2	1 3	12	1	3485.4
3	1 3	12	1	8816.0
4	1 3	12	1	9190.7

REMARK.—All the specimens evidenced great toughness, even after fracture, the part separating with great difficulty.

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.		Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.		Specimen 1.	Specimen 2.
1102 lbs.	Not perceptible.	0.03 in.	5510 lbs.	.	0.16 in.
2204	0.92 in.	0.05	6612	.	0.19
3306	1.51	0.08	7163	.	0.23
4408	.	0.12	7714	.	0.28

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
1102 lbs	No perceptible yielding up to 8816 lbs.
8816	0.01 in.
9918	0.11
Crushing Weight	9920.7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse direction.

Strain applied.	Amount yielded.
1102 lbs.	—
2204	0·05 in.
3306	—
4408	0·52, at which point the specimen crushed to pieces.

No. 6.—Botanical name, *Eucalyptus* Sp. Natural order, MYRTACEÆ. Aboriginal name, TDJETLAT BARROUL-GOURA. Local name, BLUE GUM OF CAMDEN.

"A very valuable timber, harder, tougher, more inlocked in grain, and more durable than the common Blue Gum; but not obtainable of nearly such large size; one of the most durable woods known; excellent for naves and felloes of wheels, and for work under ground."

The average diameter of the tree is from 36 inches to 48 inches. The average height from 80 feet to 100 feet.

Specific gravity of specimen, 0·843.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Sup-ports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1 $\frac{3}{4}$	4	2655·8
2	1 2	1 $\frac{3}{4}$	1	3306·0
3	1 3	1 $\frac{3}{4}$	1	5621·0
4	1 3	1 $\frac{3}{4}$	1	4518·2

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
1102 lbs.	0·02 in.	—
2204	0·04	0·10 in.
3306	.	0·19

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204 lbs.	0·04 in.
4408	0·07
6612	0·09
8816	0·19
Crushing Weight	8818·4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
4408 lbs.	0·03 in.
6612	0·26
8816	0·64

No. 7.—Botanical name, *Eucalypta* Sp. Natural order, MYRTACEÆ. Aboriginal name, NGNOOROO-WARRA. Local name, BOX OF ILLA-WARRA.

"Another Eucalyptus, with magnificent timber: the wood exceedingly hard, tough, and durable."

The average diameter of the tree is from 48 inches to 72 inches. The average height from 120 feet to 180 feet.

Specific gravity of specimen, 1·170.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1 $\frac{1}{2}$	4	4518'2
2	1 1	1 $\frac{1}{2}$	1	11240'4

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.		Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.		Specimen 1.	Specimen 2.
1102 lbs.	0'04 in.	None perceptible.	5510 lbs.	.	1'1 in.
2204	0'05	0'02 in.	6612	.	1'13
3306	0'14	0'05	7163	.	0'16
4408	0'52	0'09	7714	.	0'19

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.
Strain applied. Amount yielded.
8816 lbs. 0'05 in.
Crushing Weight 9920'7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.
Strain applied. Amount yielded.
2204 lbs. 0'05 in.
3306 0'06
4408 Split all to pieces.

No. 8.—Botanical name, *Eucalyptus corymbosa*. Natural order, MYRTACEÆ. Aboriginal name, BOURRAYRRA-GOURKOO. Local name, TRUE BOX OF CAMDEN.

"A low, branching species of Eucalyptus, not very abundant; timber of excellent quality."
The average diameter of the tree is from 18 inches to 36 inches. The average height, from 30 to 50 feet.
Specific gravity of specimen, 0'970.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1 $\frac{1}{2}$	4	3086'4
2	1 3	1 $\frac{1}{2}$	1	4628'4
3	1 3	1 $\frac{1}{2}$	1	4518'2
4	1 3	1 $\frac{1}{2}$	1	4518'2
5	1 3	1 $\frac{1}{2}$	1	4959'0
6	1 3	1 $\frac{1}{2}$	1	5333'6

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
2204'6 lbs.	.	0'04 in.
3306'9	.	0'11
4409'2	.	0'20

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre

Strain applied.	Amount yielded.
8818 lbs.	00'9 in.
Crushing Weight	8818 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204'6 lbs.	0'08 in.	6613'8 lbs.	0'55 in.
3306'9	0'47	7164'9	0'58
4409'2	0'50	7716'1	0'59
5611'5	0'53		

No. 9.—Botanical name, *Eucalyptus* Sp. Natural order, MYRTACEÆ. Aboriginal name, BOUR-ROUGNE. Local name, STRINGY BARK OF CAMDEN.

"A species yielding timber much prized for flooring boards and house carpentry, of considerable strength and durability; differs from the Stringy Bark of the Coast." The average diameter of the tree is from 24 inches to 54 inches. The average height, from 50 feet to 100 feet.

Specific gravity of specimen, 0'864.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1½	4	2755 7
2	1 4	1½	1	3086 4
3	1 4	1½	1	2888'0
4	1 4	1½	1	3262'3

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
1102'3 lbs.	0'04 in.	—
2294'6	0'84	0'08 in.

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204'6 lbs.	0'02 in.
4409'2	0'04
6613'8	0'08
8818'4	0'12
Crushing Weight	8818'4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204'6 lbs.	0'26 in.
4409'2	0'52
6613'8	0'58

No. 10.—Botanical name, *Casuarina* Sp. Natural order, CASUARINACEÆ. Aboriginal name, COOM-BAU. Local name, FOREST SWAMP OAK.

"Small tree, usually forming small, detached, dense thickets in open forest ground, where the situation is moist; wood tolerably close, prettily marked, not durable, but much used where lightness and toughness are required."

The average diameter of the tree is from 12 inches to 30 inches. The average height, from 40 feet to 80 feet.

Specific gravity of specimen, 0'661.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Sup-ports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1 $\frac{1}{2}$	4	2314·8
2	1 3	1 $\frac{1}{2}$	1	4629·6
3	1 3	1 $\frac{1}{2}$	1	3416·2
4	1 3	1 $\frac{1}{2}$	1	3195·8

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
2204·6 lbs.	1·49 in.	0·09 in.
3306·9	· · · · ·	0·18
4409·2	· · · · ·	0·30

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204·6 lbs.	· · · · · 0·03 in.
4409·2	· · · · · 0·05
Crushing Weight	· · · · · 5511·5 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204·6 lbs.	· · · · · 0·18 in.
4409·2	· · · · · 0·35
6613·8	· · · · · 0·42
8818·4	· · · · · 0·46

No. 11.—Botanical name, *Eucalyptus* Sp. Natural order, MYRTACEÆ. Aboriginal name, BARROUL-GOURRA. Local name, BASTARD BOX.

"The most unsightly, perhaps, of all the Eucalypti in appearance, generally very much decayed at the heart before it attains its full stature. Its timber is, nevertheless, in high repute for great strength and durability; for the poles and shafts of drays and carts, and for the spokes of wheels, it is supposed to have no equal."

The average diameter of the tree is from 24 inches to 48 inches. The average height, from 60 feet to 100 feet.

Specific gravity of specimen, 1·115.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Sup-ports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1 $\frac{1}{2}$	4	3571·3
2	13 7 $\frac{1}{2}$	1 $\frac{1}{2}$	1	5510·0
3	1 3	1 $\frac{1}{2}$	1	6435·0
4	1 3	1 $\frac{1}{2}$	1	5730·4

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
1102·3 lbs.	· · · 0·05 in.	0·08 in.
2204·6	· · · 0·88	0·12
3306·9	· · ·	0·19
4009·2	· · ·	0·23

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
6613'8 lbs.	0'02 in.
8818'4	0'03
Crushing Weight	9700'2 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204'6 lbs.	0'06 in.—crushed to pieces.

No. 12.—Botanical name, *Eucalyptus* Sp. Natural order, MYRTACEÆ.
Local name, SWAMP MAHOGANY, CAMDEN.

"A fine species, with handsome foliage, yielding fine timber, but not of such strength and durability as many other kinds."
The average diameter of the tree is from 36 inches to 48 inches. The average height, from 80 feet to 100 feet.

Specific gravity of specimen, 0'864.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Sup-ports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1½	4	2425'0
2	14 0	1½	12	6061'0
3	14 0	1½	12	5289'6

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
2204'6 lbs.	0'97 in.	—

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204'6 lbs.	0'03 in.
4409'2	0'05
6613'8	0'07
8818'4	0'12
Crushing Weight	8814'8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204'6 lbs.	0'12 in.	6613'8 lbs.	0'40 in.
3306'9	0'18	7716'1	0'41
4409'2	0'24	8818'4	0'45
5511'5	0'35		

No. 13.—Botanical name, *Eucalyptus* Sp. Natural order, MYRTACEÆ.
Aboriginal name, TERRI-BARRI. Local name, ROUGH-LEAVED, ROUGH-BARKED IRON BARK.

"One of the species which yield the strongest and most durable timber; bark very rugged and durable. This tree has been proposed for their emblem by the colonists of New South Wales."

The average diameter of the tree is from 24 inches to 48 inches. The average height, from 80 feet to 100 feet.

Specific gravity of specimen, 1'016.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Sup-ports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1½	4	4519'4
2	1 3	1½	1	8154'8
3	1 3	1½	1	8265'0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
2204·6 lbs.	0·03 in.	0·05 in.
3306·9	0·70	0·09
4409·2	1·53	0·11
5511·5	.	0·16
6613·8	.	0·20
7716·1	.	0·27

THIRD EXPERIMENT for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
1023·0 lbs.	0·09 in.
13227·6	0·10
Crushing Weight	13227·6 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·05 in.	5511·7 lbs.	0·66 in.
3306·9	0·53	6613·8	0·67
4409·2	0·57	7716·1	0·69

No. 14.—Botanical name, *Tristania* Sp. Local name, HICKORY.

"A species, apparently differing from No. 1, common at Illawarra, and in high repute for toughness and strength. Collected at Brisbane Water, where it grows on low, moist land, and never attains the dimensions of No. 1, at Illawarra. The latter was found only high up the mountain. Not having found a single specimen of No. 14 in a state of fructification, the question of the identity of the two Nos. seems to be doubtful."

The average diameter of the tree is from 24 inches to 36 inches. The average height, from 80 feet to 120 feet.

Specific gravity of specimen, 0·748.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1½	4	4188·7
2	1 2	1½	1	4408·0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
1102·3 lbs.	0·02 in.	0·06 in.
2204·6	0·09	0·14
3306·9	0·94	0·21
4409·2	—	0·32

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
6613·8 lbs.	0·11 in.
Crushing Weight	7052·8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204·6 lbs.	0·27 in.
3306·9	0·44
5511·5	0·49
7716·1	0·52

No. 15.—Botanical name, *Eucalyptus* Sp. Natural order, MYRTACEÆ.
Local name, MAHOGANY.

"A noble timber tree; its wood much prized for its strength and durable qualities. One of the specimens is from a principal rafter of the roof of Parramatta Church, built in 1798. One face of this specimen shows the original surface of the rafter."

The average diameter of the tree is from 30 inches to 70 inches. The average height, from 60 feet to 130 feet.

Specific gravity of specimen, 0·952.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1 $\frac{1}{2}$	4	2976·1
2	1 2	1 $\frac{1}{2}$	1	8485·4
3	1 2	1 $\frac{1}{2}$	1	7559·7

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
2204·6 lbs.	0·43 in.	0·04 in.
3306·9	· · · · ·	0·08
4409·2	· · · · ·	0·11
5511·5	· · · · ·	0·15
6613·8	· · · · ·	0·20

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.

Amount yielded.

9920·7 lbs.

0·03 in.

Crushing Weight : : : : 9920·7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.

Amount yielded.

Strain applied.

Amount yielded.

3306·9 lbs.

0·31 in.

6613·8 lbs.

0·40 in.

4409·2

0·33

7716·1

0·44

5511·5

0·36

8818·4

0·46

No. 16.—Botanical name, *Eucalyptus* Sp. Natural order, MYRTACEÆ.
Local name, GREY GUM.

"A fine hard wood timber, from the neighbourhood of Windsor."

The average diameter of the tree is from 24 inches to 48 inches. The average height, from 60 feet to 100 feet.

Specific gravity of specimen, 0·927.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	5 0	1 $\frac{1}{2}$	4	3507·3
2	1 3	1 $\frac{1}{2}$	1	7163·0

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
204·6 lbs.	0·02 in.	—
409·2	0·44	—

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·02 in.	8818·4 lbs.	0·08 in.
4409·2	0·04	9920·7	0·12
6613·8	0·06		
Crushing Weight			9920·7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction

Strain applied.	Amount yielded.
2204·6 lbs.	0·07 in.
4409·2	0·44
6613·8	0·66
8818·4	0·67

BRITISH GUIANA.

No. 17.—Aboriginal name, CABACALLI. Local name, CABACALLI.

"From Berbice River; grows tall and straight, and will square from 12 to 18 inches for 40 to 50 feet in length. The wood is heavy and close-grained: it possesses a bitter principle, which protects it against the attacks of worms, and renders it durable under water. It must, however, be fastened with copper nails. Of the branches timbers and knees for every description of craft are made, which are quite as lasting as those of Mora."

Its cost in Guiana, at a wood-cutting establishment, is 1s. to 1s. 4d. per cubic foot.
Specific gravity of specimen, 0·893.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	1 2½	2	1	7163·0
2	1 2½	2	1	7163·0

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
2204·6 lbs.	0·04 in.
3306·9	0·09
4409·2	0·12
5511·5	0·17
6613·8	0·21

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
9920·7 lbs.	0·15 in.
Crushing Weight	9920·7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·03 in.	6613·8 lbs.	0·36 in.
3306·9	0·06	7716·1	0·41
4409·2	0·26	8818·4	0·45
5511·5	0·30		

No. 18.—Botanical name, *Mora Excelsa*. Aboriginal name, MORA.
Local name, MORA.

"From Berbice River; the most majestic tree of the forests of Guiana, attains a height of from 100 to 150 feet, and is frequently found 60 feet in height without a branch; when of that length it will square 18 or 20 inches, but is then seldom sound throughout. The wood is extremely tough, close and cross-grained, so that it is difficult to split, which renders it peculiarly adapted for shipbuilding. The trunk makes admirable keels, timbers, and beams, and the branches, having a natural crookedness of growth, are unsurpassed as knees. Were men-of-war ceiled with this wood, little mischief would be occasioned by splinters during action. In most respects it is superior to oak, particularly in its exemption from dry rot. This, as well as Greenheart, ranks as one of the

eight first-class woods at Lloyd's for shipbuilding. It is abundant along the rivers of the coast region; it grows luxuriantly on sand reefs and on tracts of barren clay, known as "Mora clay." The importance of the Mora in naval architecture is now fully recognized in Great Britain, and a new export trade has been opened to the colony. On the upper Barima this tree is so abundant, and grows to such a size, that the whole British Navy might be reconstructed merely from the trees which line its banks,—a circumstance well worth consideration, for the river being navigable to vessels of 12 feet draught, the craft intended for the transport of the timber might load at the very spot where the trees are cut down. The bark of the Mora is used for tanning; the seeds also are said to be beneficial in cases of diarrhoea. The specimen sent is indifferent."

Cost, at wood-cutting establishment in Guiana, 1s. to 1s. 6d. per cubic foot.
Specific gravity of specimen, 0·922, water being 1·000.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 2	2	1	9697·6

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.		Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.		Specimen 1.	Specimen 2.
1102·3 lbs.	0·02 in.	—	5511·5 lbs.	0·13 in.	—
2204·6	0·05	—	6613·8	0·16	—
3306·9	0·09	—	7764·9	0·19	—
4409·2	0·12	—			

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
9920·7 lbs.	0·10 in.
Crushing Weight	9920·7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·17 in.	5511·5 lbs.	0·33 in.
3306·9	0·19	6613·8	0·38
4409·2	0·19	8818·4	0·50

No. 19.—Botanical name, *Piratinera Guianensis*, Aubl. Aboriginal name, BOURRA COURRA PAIRA. Local name, LETTER WOOD, or SNAKE WOOD.

"From Berbice River; this tree is scarce within several hundred miles of the sea-coast, is often from 50 to 70 feet high, and from 2 to 3 feet in diameter. The outer part of the wood is white and very hard; the heart is of great weight, hardness, and solidity; variegates with black spots of different size and figure, which gives rise to its name, 'Letter Wood,' and 'Snake Wood.'"

It is susceptible of a brilliant polish; but the small size of the mottled part, and its great value even in the colony, limits its use almost entirely to veneering, to picture frames, and to small pieces of furniture.

Cost, 8d. per lb. Specific gravity of specimen, 0·999.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	In.	Lbs.
1	1 0	2	9½	14215·8

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.		Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.		Specimen 1.	Specimen 2.
2204·6 lbs.	0·02 in.	Nil.	6613·8 lbs.	0·08 in.	Nil.
3306·9	0·03		7164·9	0·09	
4409·2	0·05		7716·1	0·10	
5511·5	0·07				

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
13227·6 lbs.	0·03 in.
Crushing Weight	14105·6 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·05 in.	6613·8 lbs.	0·17 in.
3306·9	0·08	7716·1	0·22
4409·2	0·10	8818·4	0·27
5511·5	0·14		

No. 20.—Botanical name, —. Aboriginal name, HOUBABALLI.
Local name, HOUBABALLI.

"A light brownish wood, beautifully variegated with black and brown streaks; easily worked, and makes beautiful furniture and cabinetwork. It may be had from 15 to 20 inches square, and from 40 to 70 feet long. The tree is by no means scarce, but is frequently found hollow in the centre, which often renders it useless."

Price in Guiana, at a wood-cutting establishment, 1s. 6d. to 2s. per cubic foot.
Specific gravity of specimen, 0·810.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 2	2	1	4518·2

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204·6 lbs.	0·08 in.
3306·9	0·13
4409·2	0·26

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204·6 lbs.	0·02 in.
4409·2	0·04
5511·5	0·13
Crushing Weight	5411·5 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction

Strain applied.	Amount yielded.
2204·6 lbs.	0·45 in.
4409·2	0·51
6613·8	0·55
8818·4	0·60

No. 21.—Botanical name, *Lecythis grandiflora*, Aubl. Aboriginal name, WADADURI. Local name, MONKEY POT.

"This tree is plentiful throughout the colony. It grows tall, straight, and to a large size. The wood is to be had from 15 to 20 feet in length, and from 4 to 6 inches in diameter. It is very close, tough, and elastic, and is in great repute for gig-shafts. The Indians make their arrow points of this wood. The specimen sent has been injured by water."

Price in Guiana, at a wood-cutting establishment, 1s. 6d. to 2s. per cubic foot.

Specific gravity of specimen, 0·941.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 2	2	1	10689·4

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
2204·6 lbs.	0·03 in.	6613·8 lbs.	0·11 in.
3306·9	0·04	7164·9	0·13
4409·2	0·07	7716·1	0·14
5511·5	0·09		

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.

12125·3 lbs.

Crushing Weight

Amount yielded.

0·04 in.

12125·3 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.

2204·6 lbs.

4409·2

6613·8

8818·4

Amount yielded.

0·08 in.

0·59

0·60

0·62

No. 22.—Botanical name, *Lucuma Bomplandii*, H. B. Aboriginal name, BARTABALLI. Local name, BARTABALLI.

"Is a tree of large size, and plentiful. This wood is white, rather light, splits freely, and is good for staves, chairs, and the inside work of houses. It bears an agreeable fruit."

Specific gravity of specimen, 0·640.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	0 14	1½	1	5289·6

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102·3 lbs.	0·05 in.
2504·6	0·10
3306·9	0·15
4409·2	0·20

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·04 in.	7716·1 lbs.	1·00 in.
4409·2	0·06	8818·4	1·04
6613·8	0·08		
Crushing Weight			8818·4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·35 in.	6613·8 lbs.	0·51 in.
3306·9	0·42	8818·4	0·55
4409·2½	0·47		

No. 23.—Botanical name, ——. Aboriginal name, COWASSA. Local name, WILD MAMMEE.

"A hard, close-grained wood, of a rich brown colour, prettily waved, and fitted for furniture and cabinet work."

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In. 1 2	In. square. 1½	Foot. 1	Lbs. 4363·9

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204·6 lbs.	0·07 in.
3306·9	0·19

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
11023·0 lbs.	0·04 in.
13227·6	0·05
Crushing Weight	13227·6 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·10	5613·8 lbs.	0·51 in.
3306·9	0·13	7716·1	0·53
4409·2	0·45	8818·4	0·55
6511·5	0·48		

No. 24.—Botanical name, *Copaifera Pubiflora* and *Bracteata*, Benth. Aboriginal name, MARIWAYANA. Local name, PURPLE HEART.

"Rather a scarce tree in the coast regions, being found chiefly in the mountainous tracts above the cataracts. There are several varieties or species, but all much alike, possessing great strength and durability. Used for mortar beds, being adapted for sustaining the shocks produced by the discharge of artillery."

Price in colony, 1s. 6d. to 2s. per cubic foot. Specific gravity of specimen, 0·679.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In. 1 2	In. square. 2	Foot. 1	Lbs. 6391·
1				

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

	Transverse Strain.	Deflection.
		Specimen 1.
	1102'3 lbs.	0'02 in.
	2204'6	0'06
	3306'9	0'09
	4409'2	0'12
	5511'5	0'16

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204'6 lbs.	0'05 in.
4409'2	0'06
6613'8	0'08
8818'4	0'11
Crushing Weight	9920'7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204'6 lbs.	0'05 in.
4409'2	0'10
6613'8	0'18
8818'4	0'56

No. 25.—Botanical name, —. Aboriginal name, WAMARA. Local name, BROWN EBONY.

"A hard, cross-grained wood, not apt to split, and therefore well-adapted for ship-building. Sir R. Schomburgh describes it as a scarce tree, attaining a great height; but the only part used is the heart, which is dark brown, and often streaked. Its hardness and weight cause it to be preferred by the Indians for their war-clubs. It may be had from 6 to 12 inches square, and from 20 to 40 feet long."

Specific gravity of specimen, 1'034.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 2	2	1	12122'0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

	Transverse Strain.	Deflection.
		Specimen 1.
	1102'3 lbs.	0'01 in.
	2204'6	0'06
	4409'2	0'08
	5511'5	0'09
	6613'8	0'10
	7164'9	0'13

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
11023'0 lbs.	0'07 in.
12125'3	0'09
Crushing Weight	12566'2 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204'6 lbs.	0'06 in.	6613'8 lbs.	0'37 in.
3306'9	0'10	7716'1	0'45
4409'2	0'11	8818'4	0'55

No. 26.—Botanical name, *Erythrina corallodendron* (LIN.) Aboriginal name, BARACARA. Local name, BARACARA.

"From Berbice River. A hard, close, and even-grained wood. The tree produces the red seeds of which necklaces, bracelets, &c., are made."

Specific gravity of specimen, 0.809.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearings between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	1 2	2	1	8954.9
2	1 5	2	1	8044.6

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.		Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.		Specimen 1.	Specimen 2.
1102.3 lbs.	0.03 in.	0.15 in.	5511.5 lbs.	0.24 in.	0.34 in.
2204.6	0.09	0.19	6613.8	0.30	0.45
3306.9	0.12	0.22	7164.9	0.33	—
4409.2	0.16	0.27	7716.1	0.36	0.68

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204.6 lbs.	0.02 in.
4409.2	0.03
6613.8	0.07
8818.4	0.10
Crushing Weight	8818.4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204.6 lbs.	0.24 in.	6613.8 lbs.	0.52 in.
3306.9	0.34	7716.1	0.55
4409.2	0.42	8818.4	0.56
5511.5	0.51		

No. 27.—Botanical name, *Nectandra Rodiei* (SCHOMB.) Aboriginal name, SAPIRU, BIRIRU. Local name, GREENHEART (yellow variety).

"From Masaruni River. This tree is very abundant within 100 miles of the coast region, and its timber, squaring from 18 to 24 inches, may be had without a knot from 60 to 70 feet long. It is a fine, even-grained, hard wood, well adapted for planking vessels, house-frames, wharves, bridges, and other purposes where great strength and durability are required. As it is unsurpassed in resistance to tensile and compressive strains, it is admirable for keelsons and for ship timbers. It ranks as one of the eight first-class woods at Lloyd's for shipbuilding."

Specific gravity of specimen, 1.052.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	In.	Lbs.
1	0 11½	2	9½	14528.0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	
2204.6 lbs.	0.02 in.	
3306.9	0.03	
4409.2	0.05	
5511.5	0.07	
6613.8	0.08	
7716.1	0.09	

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
4409.2 lbs.	0.03 in.	11023.0 lbs.	0.09 in.
6613.8	0.05	12125.3	0.20
8818.4	0.07		
Crushing Weight			12125.3 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204.6 lbs.	0.04 in.	5511.5 lbs.	0.10 in.
3306.9	0.06	6613.8	0.11
4409.2	0.08		

No. 28.—Botanical name, *Nectandra Rodæi* (SCHOMB.) Aboriginal name, SIPIRI BIBIU. Local name, GREENHEART (black variety).

"From Masaruni River. This wood is used for the same purposes as the yellow Greenheart, but it is considered even more durable. It is a handsome wood, and takes a high polish. It is distinguished from the common Greenheart only by the colour of the wood; but it is so scarce in proportion to the brown or yellow, that not more than 1 in 20 of trees cut down are found to belong to this variety. This wood is in great request, on account of its well-known durability, being preferred to all others for windmill shafts, spindles, and mill works in general."

Specific gravity of specimen, 1.089.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when subm. Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Sup-ports.	Breaking Weight.
	Length.	Section.		
—	Ft. In. 0 11½	In. square. 2	In. 9½	Lbs. 13224

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204.6 lbs.	0.01 in.
4409.2	0.03
5511.5	0.05
6613.8	0.06
7716.1	0.08

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
15432.2 lbs.	0.11 in.
Crushing Weight	15432.2 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204.6 lbs.	0.05 in.
4409.2	0.38
6613.8	0.43
8818.4	0.51

No. 29.—Botanical name, *Diptery. odorata* (Wills.) Aboriginal name, CUAMARA. Local name, TONKA.

"This tree is not very plentiful in the colony. The timber may be had from 40 to 50 feet long, and 18 to 20 inches square. It is hard, tough, and durable in an eminent degree, and it is said that a piece one inch square, and of a given length, will bear 100 lbs. more weight than any other timber in Guiana of the same dimensions. It is therefore peculiarly adapted for any purpose where resistance to great pressure is desired. It is used for shafts, mill-wheels, and cogs. This tree yields the well-known 'Tonka Bean'."

Price in colony, 1s. 6d. to 2s. per cubic foot. Specific gravity of specimen, 0.987.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No of Specimen.	Dimensions.		Bearing between supports.	Breaking Weight.
	Length.	Section.		
	Ft. In. 1 2	In. square. 2	Foot. 1	Lbs. 10469.0
1				

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
1102.3 lbs.	0.03 in.	5511.5 lbs.	0.10 in.
2204.6	0.04	6613.8	0.12
3306.9	0.06	7716.1	0.13
4409.2	0.09	8818.4	0.16

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.
Strain applied. Amount yielded.
11023 lbs. 0.11 in.
Crushing Weight 11463.9 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.
Strain applied. Amount yielded. Strain applied. Amount yielded.
2204.6 lbs. 0.05 in. 6613.8 lbs. 0.10 in.
4409.2 0.06 7716.1 0.29
5511.5 0.01 8818.4 0.34

No. 30.—Botanical name, —. Aboriginal name, DUCALIBALLI.
Local name, DUCALIBALLI.

"This tree is of large size, but not plentiful. The timber may be had 40 feet long, but seldom more than 20 inches in diameter. It is a deep red close-grained wood, more even and compact than mahogany, and takes a high polish. It is in great repute for turning and cabinet-work. It resembles, or is perhaps identical with, the Brazilian beef-wood."

Price in colony, 2s. 6d. to 3s. per cubic foot. Specific gravity of specimen, 0.910.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Sup-ports.	Breaking Weight.
	Length.	Section.		
	Ft. In. 1 2	In. square. 2	Foot. 1	Lbs. 9367.0
1				

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
2204.6 lbs.	0.02 in.	6613.8 lbs.	0.10 in.
3306.9	0.04	7716.1	0.12
4409.2	0.06	8818.4	0.13
5511.5	0.09		

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.
Strain applied. Amount yielded.
13227.6 lbs. 0.06 in.
Crushing Weight 13227.6 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.
Strain applied. Amount yielded. Strain applied. Amount yielded.
2204.6 lbs. 0.07 in. 6613.8 lbs. 0.23 in.
4409.2 0.09 7716.1 0.35
5511.5 0.15 8818.4 0.57

No. 31.—Botanical name, *Centrolobium robustum* (Mart.) Aboriginal name and local name, CARTAN.

"From Demerary River. A very rare wood, of a rich orange colour, like deal in its grain, but much harder and heavier. It reaches a height of 80 to 100 feet, and being easily worked, and of a handsome colour, promises to become of great interest to cabinet-makers."

Specific gravity of specimen, 0.703.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	In.	In. square.	Foot.	Lbs.
1	12½	2	1	4959.0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102.3 lbs.	0.04 in.
2204.6	0.06
3306.9	0.11
4409.2	0.17
5511.5	0.29

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.
Strain applied. Amount yielded.

9920.7 lbs. 0.05 in.
Crushing Weight : : : : 9920.7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204.6 lbs.	0.08 in.	6613.8 lbs.	0.43 in.
3306.9	0.26	7716.1	0.46
4409.2	0.35	8818.4	0.50
5511.5	0.40		

No. 32.—Botanical name, —. Aboriginal and local name, KAI-EERI-BALLI.

"From Berbice River. An excellent wood for beams, rafters, and plates of houses."
Specific gravity of specimen, 0.870.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 5	2	1	6391.6

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102.3	0.01 in.
2204.6	0.05
3306.9	0.09
4409.2	0.13
5511.5	0.22

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied. Amount yielded.
8818.4 lbs. 0.05 in.
Crushing Weight : : : : 8818.4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204*6 lbs.	0*14 in.
4409*2	0*29
6613*8	0*33
8818*4	0*50

No. 33.—Botanical name, —. Aboriginal and local name, Buhuradda.

"Is very plentiful, and used for similar purposes as the preceding. This specimen is damaged by water."
Specific gravity of specimen, 0*814.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 7	2	1	9477*2

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
2204*6 lbs.	0*05 in.	6613*8 lbs.	0*17 in.
3306*9	0*07	7164*9	0*22
4409*2	0*10	7716*1	0*10
6511*5	0*13		0*24

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204*6 lbs.	0*03 in.	8818*4 lbs.	0*09 in.
4409*2	0*05	11023*0	0*11
6613*8	0*08	12125*3	0*11
Crushing Weight		12125*3 lbs.	

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204*6 lbs.	0*12 in.
6613*8	0*58
8818*4	0*60

No. 34.—Botanical name, *Eperua falcata*, Aubl. Aboriginal name and local name, WALLABA.

"From Berbice River. This wood is of a deep red colour, and is hard and heavy, but splits freely and smoothly, and is much used for shingles, staves, palings, posts, house frames, &c. It is impregnated with a resinous oil, which makes it very durable, both in and out of water. A roof well shingled with this wood will last more than 40 years. The tree is very abundant throughout the colony, growing generally on the banks of rivers. It may be cut 30 or 40 feet long, and 15 to 20 inches square."
Cost in colony, 10d. to 1s. 6d. per cubic foot. Specific gravity of specimen, 1*035.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 5	2	1	5510*0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204.6 lbs.	0.04 in.
3306.9	0.06
4409.2	0.09
5511.5	0.11

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
6613.8 lbs.	0.06 in.
Crushing Weight	6613.8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204.6 lbs.	0.16 in.
3306.9	0.49

No. 35.—Botanical name, *Lecythis ollaria* (LIN.) Aboriginal and local name, KAKARALLI.

"This wood is very abundant, grows tall and straight, and may be had from 6 to 14 inches square, and 30 to 40 feet long. It is heavy, hard, and close-grained, and more durable than Greenheart in salt water, from its property of resisting the depredations of the sea-worm and barnacle. On this account it is much employed in the construction of wharfs, sluices, &c. It is also used for house-frames. The bark is easily stripped off, and consists of numerous layers, which the Indians separate by beating with a stick; when separated they have the appearance of thin satin paper. They are dried in the sun, and used as wrappers for cigars."

Price in colony, 1s. to 1s. 6d. per cubic foot. Specific gravity of specimen, 1.103.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 2	2	1	9587.4

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
2204.6 lbs.	0.04 in.	6613.8 lbs.	0.17 in.
3306.9	0.07	7164.9	0.20
4409.2	0.10	7716.1	0.25
5511.5	0.14		

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204.6 lbs.	0.06 in.	8818.4 lbs.	0.12 in.
4409.2	0.08	11023.0	0.15
6613.8	0.10	13227.6	0.18
Crushing Weight			13227.6 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204.6 lbs.	0.08 in.
4409.2	0.20
6613.8	0.34

No. 36.—Botanical name, ——. Aboriginal and local name, SILVERBALLI (yellow variety).

"This tree grows to a great size, but is then often hollow. It will, however, square sound from 10 to 14 inches, and from 40 to 50 feet long. The wood is lighter than water, and contains a bitter principle, which resists the attack of worms; hence it is much used in the colony for the outside planking of vessels and boats. It is also used for masts and booms. There are four varieties or species of this tree, distinguished as Black, Brown, Yellow, and White Silverballi; of these the latter is least esteemed."

Price in colony, from 1s. 6d. to 2s. per cubic foot. Specific gravity of specimen, 0·546.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 5	2	1	4297·8

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204·6 lbs.	00·5 in.
3306·9	0·14

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
7716·1 lbs.	0·08 in.
Crushing Weight	7716·1 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204·6 lbs.	0·44 in.
4409·2	0·56
6613·8	0·59
8818·4	0·62

No. 37.—Botanical name, *Xguianensie carapa*. Local name, CRABWOOD.

"This tree is plentiful, grows tall and straight, and may be cut from 40 to 60 feet in length, with a square of 14 or 16 inches. The wood is light, and, as it takes a high polish, makes excellent furniture. It is also much used for floors, partitions, and doors in the houses of the wealthy. Masts and spars are formed of it, and it is sometimes employed for sugar hogsheds, and even for shingles, as it splits freely and smoothly. There are two varieties, Red and White. The seeds yield 'Crab Oil,' and the bark is useful for tanning, so that this tree ranks among the most useful of the colony."

Price in colony, 1s. to 1s. 6d. per cubic foot. Specific gravity of specimen, 0·603.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 5	2	1	5510·0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102·3 lbs.	0·04 in.
2204·6	0·08
3306·9	0·12
4409·2	0·18
	0·30

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
8818'4 lbs.	0'05 in.
Crushing Weight	8818'4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204'6 lbs.	0'35 in.
4409'2	0'46
6613'8	0'50
8818'4	0'54

No. 38.—Botanical name, *Icica altissima*, Aubl. Aboriginal name, WARRACOORI. Local name, WHITE CEDAR.

"From Berbice River. Grows abundantly in the low grounds. It is a light, aromatic wood, easily worked; it splits freely, and is therefore well fitted for staves. During the American War it was used for sugar hogsheads. It is frequently employed for the frames and inside work of houses. Oars and paddles are also made of it, and even canoes. The bark in decoction is used for the Indian malady called the 'Caribisi sick.' This specimen is from a young tree."

Price in colony, 1s. to 1s. 6d. per cubic foot. Specific gravity of specimen, 0'771.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Sup-ports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In square.	Foot.	Lbs.
1	1 2	2	1	7163'0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204'6 lbs.	0'06 in.
3306'9	0'10
4409'2	0'14
5511'5	0'21
6613'8	0'29
7164'9	0'37

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
8818'4 lbs.	0'04 in.
9920'7	0'07
Crushing Weight	9920'7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204'6 lbs.	0'10 in.
4409'2	0'50
6613'8	0'54
8818'4	0'57

No. 39.—Botanical name, *Hymenæa Courbaril* (LIN.) Aboriginal name, SIMERI. Local name, LOCUST TREE.

"This tree is abundant in the colony, and often attains the height of 60 or 80 feet before it throws out a branch, and has a diameter of 8 to 9 feet. The wood is close-grained, hard, and compact, of a fine brown, streaked with veins, and takes a beautiful polish. As it does not split or warp, it is well adapted for mill timbers and engine beds. A considerable quantity is exported to England to be used as trenails in planking vessels and in beams and plants for fitting up steam engines. The tree yields the gum animi of commerce."

Price in colony, from 1s. to 1s. 6d. per cubic foot. Specific gravity of specimen, 0'707.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 1 $\frac{1}{2}$	2	1	6171.2

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102.3 lbs.	0.03 in.
2204.6	0.10
3306.9	0.17
4409.2	0.24
5511.5	0.34

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204.6 lbs.	0.02 in.
4409.2	0.04
6613.8	0.06
8818.4	0.10
Crushing Weight	8818.4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204.6 lbs.	0.33 in.
4409.2	0.37
6613.8	0.44
8818.4	0.60

No. 40.—Botanical name, —. Aboriginal and local name, BUKATI.

"A hard, compact wood, of a rich brownish yellow colour."
Specific gravity of specimen, 0.812.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 2	2	1	7714.0

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204.6 lbs.	0.03 in.
3306.9	0.06
4409.2	0.10
5511.5	0.14
6613.8	0.20
7164.9	0.26

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
9920.7 lbs.	0.07 in.
Crushing Weight	9920.7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204·6 lbs.	0·09 in.
4409·2	0·33
6613·8	0·45
8818·4	0·50

No. 41.—Botanical name, —. Aboriginal and local name, SIRA-BULIBALLI.

"A wood of small size, but very hard and compact, well adapted for framing."
Specific gravity of specimen, 0·838.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Sup-ports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 5	2	1	9920·7

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
2204·6 lbs.	0·03 in.	7164·9 lbs.	0·23 in.
3306·9	0·08	7716·1	0·29
4402·2	0·11	8818·4	0·32
5511·5	0·16	9920·7	0·40
6613·8	0·18		

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·01 in.	8818·4 lbs.	0·06 in.
4409·2	0·03	9920·7	0·19
6613·8	0·04		
Crushing Weight		9920·7 lbs.	

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·04 in.	6613·1 lbs.	0·49 in.
4409·2	0·40	7716·1	0·50
5511·5	0·46	8818·4	0·52

JAMAICA.

No. 42.—Botanical name, —. Local name, Boxwood.

Used for framing. Specific gravity of specimen, 0·690.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Sup-ports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 1½	2	1	5511·5

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
Nil.	Specimen 1.
	Nil.

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
4409·2 lbs.	01·0 in.
5511·5	05·0
8818·4	08·0
Crushing Weight	8818·4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204'6 lbs.	0'05 in.	6613'8 lbs.	0'49 in.
3306'9	0'16	7716'1	0'51
4409'2	0'28	8818'4	0'54
5511'5	0'40		

No. 43.—Botanical name, *Erythroxylon areolatum*. Aboriginal and local name, IRON WOOD, or RED WOOD.

A small tree, 16 or 18 feet high, and 5 or 6 inches in diameter. Useful for furniture and flooring. Specific gravity of specimen, 0'987.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In. 1 2	In. square. 1 2	Foot. 1	Lbs. 9369'5
1				

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
1102'3 lbs.	0'02 in.	6618'3 lbs.	0'21 in.
2204'6	0'07	7164'9	0'34
3306'9	0'09	7716'1	0'38
4409'2	0'13	8818'4	0'44
5511'5	0'16		

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
17636'8 lbs.	0'13 in.
Crushing Weight	17636'8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
4409'2 lbs.	0'02 in.
11023'0	0'08

No. 44.—Botanical name, *Amyris*. Aboriginal and local name, SATIN CANDLEWOOD.

Specific gravity of specimen, 0'956.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In. 1 2	In. square. 2	Foot. 1	Lbs. 12232'2
1				

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
1102'3 lbs.	0'02 in.	7164'9 lbs.	0'17 in.
2204'6	0'06	7716'1	0'18
3306'9	0'08	8818'4	0'21
4409'2	0'11	9920'7	0'24
5511'5	0'13	11023'0	0'31
6613'8	0'16	12125'3	0'42

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204'6 lbs.	0'03 in.	8818'4 lbs.	0'06 in.
4409'2	0'04	11023'0	0'07
6613'8	0'05		12562'8 lbs.
Crushing Weight			

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
4409'2 lbs.	0'11 in.
5511'5	0'30
6613'8	0'55
8818'4	0'58

No. 45.—Botanical name, *Guatteria virgata*. Aboriginal and local name, LANCE WOOD.

"Excellent timber where strength and elasticity are required; tough."
Specific gravity of specimen, 0'675.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	1 2	1 $\frac{3}{4}$	1	6612'0
2	1 2	2	1	7714'0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.		Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.		Specimen 1.	Specimen 2.
1102'3 lbs.	0'03 in.	—	5511'5 lbs.	0'34 in.	0'22 in.
2204'6	0'09	0'06 in.	6613'8	. . . . .	0'30
3306'9	0'13	0'10	7164'9	. . . . .	0'39
4409'2	0'19	0'15			

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2304'6 lbs.	0'04 in.
4409'2	0'05
6613'8	0'07
Crushing Weight	6613'8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204'6 lbs.	0'19 in.	5511'5 lbs.	0'40 in.
3306'9	0'30	6613'8	0'43
4409'2	0'37	8818'4	0'46

No. 46.—Botanical name, *Brya ebenus*. Aboriginal and local name, BLACK HEART EBONY, or WEST INDIAN EBONY.

"Very hard and ponderous, and susceptible of a very high polish; very common in the savannahs and dry hills."
Specific gravity of specimen, 1'193.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 2	1 $\frac{3}{4}$	1	8485'4

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204·6 lbs.	0·03 in.
3306·9	0·05
4409·2	0·09
5511·5	0·12
6613·8	0·17
7716·1	0·22

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.
 Strain applied. Amount yielded.

18739·1 lbs. 0·13 in.

Crushing Weight, 18959·5 lbs. (broke violently).

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
6613·8 lbs.	0·04 in.
7716·1	0·05
8818·4	0·30

No. 47.—Botanical name, *Laurus Chloroxylon*. Aboriginal and local name, COG-WOOD.

"The best for mill-framing, cog-wheels; enduring in water."
 Specific gravity of specimen, 0·961.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 2	1 $\frac{1}{8}$	1	6942·6

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102·3 lbs.	0·03 in.
2204·6	0·09
3306·9	0·10
4409·2	0·13
5511·5	0·21
6613·8	0·26

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied. Amount yielded.

6613·8 lbs. 0·01 in.

8818·4 0·03

11023·0 0·05

Crushing Weight 12122·0 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·02 in.	6613·8 lbs.	0·19 in.
3306·9	0·05	7716·1	0·24
4409·2	0·09	8818·4	0·33
5511·5	0·15		

No. 48.—Botanical name, ———. Aboriginal and local name, SMALL LEAF.

Specific gravity of specimen, 1.169.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 1 $\frac{3}{4}$	In. square. 1 $\frac{1}{2}$	Foot. 1	Lbs. 7934.4

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102.3 lbs.	0.10 in.
2204.6	0.13
3306.9	0.17
4409.2	0.23
5511.5	0.28

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
15432.2 lbs.	0.18 in.
Crushing Weight	15432.2 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204.6 lbs.	0.04 in.	6613.8 lbs.	0.46 in.
4409.2	0.07		

No. 49.—Botanical name, *Citrus aurantium*. Aboriginal and local name, WILD ORANGE.

"Used for framing, &c." Specific gravity of specimen, 0.908.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. —	In. square. —	Foot. —	Lbs.
2	1 5 $\frac{1}{4}$	2	1	10141.1

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.		Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.		Specimen 1.	Specimen 2.
3306.9 lbs.	. . .	0.03 in.	7164.9 lbs.	. . .	0.14 in.
4409.2	. . .	0.05	8818.4	. . .	0.21
5511.5	. . .	0.07	9220.7	. . .	0.29
6613.8	. . .	0.11			

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
4409.2 lbs.	. . 0.02 in.	11023.0 lbs.	. . 0.06 in.
6613.8	. . 0.03	13227.6	. . 0.08
8818.4	. . 0.05		
Crushing Weight			13237.6 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·09 in.	6613·8 lbs.	0·39 in.
3306·9	0·14	7716·1	0·45
4409·2	0·19	8818·4	0·48
5511·5	0·31		

No. 50.—Botanical name, *Melicocca bijuga*. Aboriginal and local name, GYNIP.

“Originally imported from Surinam; grows commonly in the lowlands to a very large size.”

Specific gravity of specimen, 0·934.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 1½	2	1	6612·0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102·3 lbs.	0·01 in.
2204·6	0·07
3306·9	0·10
4409·2	0·15
5511·5	0·20

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
4409·2 lbs.	0·01 in.
6613·8	0·03
7716·1	0·04
8818·4	0·07
Crushing Weight	8818·4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·06 in.	6613·8 lbs.	0·21 in.
3306·9	0·10	7716·1	0·22
4409·2	0·15	8818·4	0·47
5211·5	0·19		

No. 51.—Botanical name, *Cedrela odorata*. Aboriginal and local name, CEDAR.

“Rises with a straight stem 70 or 80 feet, and often from 3 to 5 feet diameter; much esteemed for cabinet-ware and wainscoting; it affords most durable planks and shingles, yields a clear and abundant gum, which is said to be fit for shoemakers’ use.”

Specific gravity of specimen, 0·576.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 3	2	1	195·8

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102·3 lbs.	0·10 in.
2204·6	0·26

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·02 in.	4409·2 lbs.	0·08 in.
3306·9	0·04	5511·5	0·13
Crushing Weight		6613·8 lbs.	

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·45 in.	6613·8 lbs.	0·53 in.
3306·9	0·48	7716·1	0·55
4409·2	0·50	8818·4	0·57
5511·5	0·51		

No. 52.—Botanical name, *Morus tinctoria*. Aboriginal and local name, FUSTIC.

"A well-known yellow dye-wood; but the use of it as a dye-wood is, we believe, much discontinued by the more splendid quercitron bark of America. The wood is admirably adapted for the fellos of carriage and cart wheels. Grown in Kingston."

Specific gravity of specimen, 0·966.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In. 1 2½	In. square. 2	Foot. 1	Lbs. 8595·6

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
2204·6 lbs.	0·05 in.	6613·8 lbs.	0·17 in.
3306·9	0·08	7164·9	0·21
4409·2	0·10	7716·1	0·23
5511·5	0·13		

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
12125·3 lbs.	0·06 in.
Crushing Weight	12125·3 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204·6 lbs.	0·03 in.
4409·2	0·09
6613·8	0·28
8818·4	0·39

No. 53.—Botanical name, *Xanthoxylon clava Herculis*. Aboriginal and local name, PRICKLE YELLOW.

"For furniture, flooring, inlaying, &c., very common. Said to afford a [dye, and to possess medicinal properties.]"

Specific gravity of specimen, 0·691.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 3	In. square. 2	Foot. 1	Lbs. 5730·

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102'3 lbs.	0'02 in.
2204'6	0'05
3306'9	0'08
4409'2	0'14
5511'5	0'24

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
4409'2 lbs.	0'03 in.	7716'1 lbs.	0'07 in.
5511'5	0'04	8818'4	0'09
6613'6	0'06		
Crushing Weight		8818'4 lbs.	

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204'6 lbs.	0'28 in.
3306'9	0'52
4409'2	0'59
6613'8	0'65
8818'4	0'66

No. 56.—Botanical name, *Guaiacum officinale*. Aboriginal or local name, LIGNUM VITÆ.

"A well-known hard wood, adapted for rulers, pestles, and mortars, the rollers or wheels of blocks and pulleys, yielding the medicinal gum resin, Guaiacum. A decoction of the bark is in common use among the natives as a cure for rheumatism. The tree is very common on the south side of the island."

Specific gravity of specimen, 1'170.

Ditto, No. 2 ditto, 0'651.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Feet.	Lbs.
1	1 2 $\frac{1}{2}$	2	1	5511'5
2	1 4 $\frac{1}{2}$	2	1	5069'2

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	
	Specimen 1.	Specimen 2.
2204'6 lbs.	0'01 in.	0'07 in.
3306'9	0'05	0'12
4409'2	0'08	0'21

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
4409'2 lbs.	0'01 in.
6613'8	0'02
8818'4	0'04
9920'7	0'45
Crushing Weight	9920'7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
4409'2 lbs.	0'01 in.
6613'8	0'02
7716'1	0'05
8818'4	0'06
9920'7	0'26

No. 55.—Botanical name, *Acacia arborea*. Aboriginal or local name, **WILD TAMARIND.**

Specific gravity of specimen, 0.750.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 2	In. square. 1½	Foot. 1	Lbs. 3526.4

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204.6 lbs.	0.12 in.
3306.9	0.14

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
4409.2 lbs.	0.07 in.
6613.8	0.09
7716.1	0.11
Crushing Weight	8705.8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2904.6 lbs.	0.48 in.
4409.2	0.64
6613.8	0.66
8818.4	0.70

No. 56.—Botanical name, *Quassia excelsa*. Aboriginal or local name, **BITTERWOOD.**

Used for "lumber generally; never infested with insects."

Specific gravity of specimen, 0.555.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 2	In. square. 2	Foot. 1	Lbs. 3746.8

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204.6 lbs.	0.17 in.
3306.9	0.44

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204.6 lbs.	0.09 in.
4409.2	0.13
5511.5	0.19
Crushing Weight	5511.5 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204·6 lbs.	0·51 in.
4409·2	0·57
6613·8	0·60
8818·4	0·63

No. 57.—Botanical name, *Bignonia longissima*, or *Tecoma longissima*.
Aboriginal and local name, FRENCH OAK.

“Grows large.”

Specific gravity of specimen, 0·774.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
	1 4½	2	1	4408·0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102·3 lbs.	0·02 in.
2204·6	0·14
3306·9	0·26
4409·2	0·44

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
4409·2 lbs.	0·01 in.
5511·5	0·04
6613·8	0·14
Crushing Weight	6613·8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·33 in.	6613·8 lbs.	0·54 in.
3306·9	0·41	7716·1	0·58
4409·2	0·46	8818·4	0·61
5511·5	0·50		

No. 58.—Botanical name, *Citharexylum malano-cardium*. Aboriginal and local name, FIDDLEWOOD.

“Durable. Used for mill-framing, carriage wheels, &c. A most useful timber. Said to yield a beautiful yellow or orange colour for whitewashers' work.”
Specific gravity of specimen, 0·707.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 2	2	1	5510·0

SECOND EXPERIMENT, for noting the Deflection
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2102·3 lbs.	0·03 in.
2204·6	0·10
3306·9	0·18
4409·2	0·27

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204·6 lbs.	0·02 in.
4409·2	0·04
5511·5	0·07
6613·8	0·16
Crushing Weight	6613·8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204·6 lbs.	0·36 in.
4409·2	0·61
6613·8	0·67
8818·4	0·69

No. 59.—*Terminalia latifolia*. Aboriginal or local name, BROADLEAF.

"Used for boards, scantling, shingles, and staves. This tree is often called the 'Almond Tree,' from the almond-shaped nut it bears. The outer coat of this nut (about $\frac{1}{2}$ inch thick) is a soft, acrid, insipid fruit, of which bats, &c. are very fond, as they constantly carry them about from place to place. The shell is very thick, and the nut very small, possessing a pleasant nutty flavour; grows 60 feet before reaching main branches, and 12 or 16 feet in circumference."

Specific gravity of specimen, 0·771.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 2	In. square. 2	Foot. 1	Lbs. 6061·0

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102·3 lbs.	0·03 in.
2204·6	0·09
3306·9	0·14
4409·2	0·22
5511·5	0·35

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
4409·2 lbs.	0·03 in.
6613·8	0·06
7716·1	0·09
Crushing Weight	7716·1 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·16 in.	6613·8 lbs.	0·55 in.
3306·9	0·45	8818·4	0·60
4409·2	0·51		

No. 60.—Botanical name, *Brosopis juliflora*. Aboriginal and local name, CASHAW.

"Adapted for knees of boats and ship-building generally, but it does not stand the iron nails well. Yields an abundant gum, differing little, if at all, from gum arabic; also a useful fibre; a common tree; attains 30 or 40 feet in height, with 3 feet diameter; very hard, much twisted and crooked; sometimes split for shingles, but nail holes must be bored."

Specific gravity of specimen, 0·916.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In. 1 2½	In. square. 2	Foot. 1	Lbs. 6391·6

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

	Transverse Strain.	Deflection.
		Specimen 1.
	1102'3 lbs.	0'01 in.
	2204'6	0'06
	3306'9	0'09
	4409'2	0'15
	5511'5	0'20

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
9920'7 lbs.	0'14 in.
Crushing Weight	9920'7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204'6 lbs.	0'07 in.
4409'2	0'25
6613'8	0'35
8818'4	0'44

No. 61.—Botanical name, *Achras sideroxylon*. Aboriginal name, NEESBERRY. Local name, BULLET TREE.

"A very lofty tree. Said to be called 'Bully' from its towering above other trees; esteemed as one of the best timber trees." Specific gravity of specimen, 1'046.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 2½	In. square. 2	Foot. 1	Lbs. 9920'7

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
2204'6 lbs.	0'04 in.	7164'9 lbs.	0'14 in.
3306'9	0'07	7716'1	0'16
4409'2	0'09	8818'4	0'22
5511'5	0'11	9920'7	0'30
6613'8	0'13		

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
14329'9 lbs.	0'08 in.
Crushing Weight	14329'9 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain Applied.	Amount yielded.
2204'6 lbs.	0'04 in.
4409'2	0'09
6613'8	0'13

No. 62.—Botanical name, *Podocarpus yacca*. Aboriginal and local name, YACCA.

"Grows freely in this island, at a moderate elevation from the sea level, and is used for ornamental cabinet purposes."

Specific gravity of specimen, 0'626.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 2½	In. square. 2	Foot. 1	Lbs. 2204·6

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102·3 lbs.	0·05 in.

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204·6 lbs.	0·03 in.
4409·2	0·04
5511·5	0·05
6613·8	0·10
Crushing Weight	6613·8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded
2204·6 lbs.	0·39 in.	5511·5 lbs.	0·52 in.
3306·9	0·45	6613·8	0·53
4409·2	0·50	8118·4	0·58

No. 63.—Botanical name, *Hibiscus tiliaceus*. Aboriginal and local name, BLUE MAHOE.

“Used for cart, carriage, and waggon bodies, inlaying, &c.; much used for furniture, yields strong fibre for cordage.”

Specific gravity of specimen, 0·536.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 5½	In. square. 2	Foot. 1	Lbs. 4297·0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102·3 lbs.	0·09 in.
2204·6	0·23
3306·9	0·40

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
8818·4 lbs.	0·11 in.
Crushing Weight	8818·4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204·6 lbs.	0·60 in.
4409·2	0·65
6613·8	0·68
8818·4	0·70

No. 64.—Botanical name, *Prunus Occidentalis*. Aboriginal and local name, PRUNE.

"The bark yields an excellent liquor." Specific gravity of specimen, 0·864.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 3	In. square. 2	Foot. 1	Lbs. 6613·8

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204·6 lbs.	0·05 in.
3306·9	0·09
4409·2	0·14
5511·5	0·20
6613·8	0·34

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·02 in.	8818·4 lbs.	0·05 in.
4409·2	0·03	9920·7	0·10
6613·8	0·04		
Crushing Weight			9920·7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·06 in.	6613·8 lbs.	0·41 in.
3306·9	0·18	7716·1	0·42
4409·2	0·28	8818·4	0·45
5511·5	0·38		

No. 65.—Botanical name, *Swietenia Mahogany Var.* Aboriginal and local name, WILD MAHOGANY.

"Used for furniture, water-wheels, planking of vessels, &c. Its growth dependent on localities." Specific gravity of specimen, 0·921.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 3	In. square. 2	Foot. 1	Lbs. 7383·4

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204·6 lbs.	0·04 in.
3306·9	0·09
4409·2	0·12
5511·5	0·18
6613·8	0·23
7164·9	0·28

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
4409*2 lbs.	0*03 in.
6613*8	0*05
8818*4	0*07
Crushing Weight	8818*4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204*6 lbs.	0*10 in.
4409*2	0*52
6613*8	0*56
8818*4	0*58

No. 66.—Botanical name, *Bumelia salicifolia*. Aboriginal name, SAPOTA, and GALIMETA WOOD. Local name, WILLOW-LEAVED BASTARD BULLET TREE.

“From Fort George pen; extracted from the forest at six miles from the sea coast, and grew in a soil of mould, the substratum rock being porphyritic conglomerate and sandstone. Said to be good timber wood when not exposed to the weather.”
Specific gravity of specimen, 0*902.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 5	In. square. 2	Feet. 1	Lbs. 6722*2

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102*3 lbs.	0*03 in.
2204*6	0*06
3306*9	0*09
4409*2	0*11
5511*5	0*14
6613*8	0*18

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
4409*2 lbs.	0*02 in.
6613*8	0*03
8818*4	0*05
11023*0	0 11
Crushing Weight	11023*0 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction

Strain applied.	Amount yielded.
2204*6 lbs.	0*11 in.
4409*2	0*30
6613*8	0*37
8818*4	0*42

No. 67.—Botanical name, *Hymenæa Courbaril*. Aboriginal and local name, LOCUST.

“Boards; house framing; hard and tough; supposed to have been imported. From the roots exude that valuable substance called ‘gum animi,’ which is said to form an excellent varnish, superior to Chinese lacca. Grows on the plains and mountains round St. Catharine’s.” Specific gravity of specimen, 0*675.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section		
1	Ft. In. 1 5 $\frac{1}{2}$	In. square. 2	Foot. 1	Lbs. 6061·0

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204·6 lbs.	0·08 in.
3306·9	0·14
4409·2	0·23
5511·5	0·40

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
4409·2 lbs.	0·03 in.
6613·8	0·05
7716·1	0·26
Crushing Weight	7716·1 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
2204·6 lbs.	0·38 in.	5511·5 lbs.	0·51 in.
3306·9	0·41	6613·8	0·54
4409·2	0·45		

No. 68.—Botanical name, —. Aboriginal and local name, BEECH.
Used for "house framing, of large growth. Specific gravity of specimen, 0·843.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 13 $\frac{1}{2}$	In. square. 2	Foot. 1	Lbs. 9038·8

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
2204·6 lbs.	0·02 in.	6613·8 lbs.	0·17 in.
3306·9	0·05	7164·9	0·21
4409·2	0·09	7716·1	0·27
5511·5	0·11	8818·4	0·45

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
8818·4 lbs.	0·08 in.
Crushing Weight	8818·4 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204·6 lbs.	0·13 in.
4409·2	0·31
5511·5	0·37
6613·8	0·41

No. 69.—Botanical name, *Andira inermis*. Local name, CABBAGE BARK TREE.

"Grows to a moderate height; bark used as a vermifuge; its effects are emetic, drastic, purgative, and narcotic; yields a very tough and useful wood."

Specific gravity of specimen, 0.945.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 5½	2	1	6722.2

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204.6 lbs.	0.05 in.
3306.9	0.08
4409.2	0.10
5511.5	0.15
6613.8	0.23

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.

Amount yielded.

9920.7 lbs.

0.05 in.

Crushing Weight

9920.7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.

Amount yielded.

2204.6 lbs.

0.08 in.

4409.2

0.34

6613.8

0.47

8818.4

0.52

No. 70.—Botanical name, ———. Aboriginal and local name, RED BULLY or BULLET TREE.

Specific gravity of specimen, 0.999.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 4	2	1	5510.0

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204.6 lbs.	0.06 in.
3306.9	0.09
4409.2	0.10
5511.5	0.18

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.

Amount yielded.

2204.6 lbs.

0.01 in.

4409.2

0.02

6613.8

0.05

8818.4

0.06

9920.7

0.16

Crushing Weight

9920.7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204'6 lbs.	0'08 in.
4409'2	0'19
6613'8	0'34
8818'4	0'43

No. 71.—Botanical name, *Tamarindus occidentalis*. Aboriginal and local name, TAMARIND.

"Large growth: thrives in lowland savannahs, but best in brick mould districts."
Specific gravity of specimen, 0'870.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
—	1 4 $\frac{1}{2}$	2	1	6722'2

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204'6 lbs.	0'05 in.
3306'9	0'09
4409'2	0'15
5511'5	0'20
6613'8	0'28

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
4409'2 lbs.	0'05 in.
6613'8	0'06
8818'4	0'09
Crushing Weight	9256'8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204'6 lbs.	0'11 in.
4409'2	0'35
6613'8	0'41
8818'4	0'47

No. 72.—Botanical name, *Crescentia Cujete*. Local name, CALABAS.

"Grows common throughout the island, 20 feet and less high, wood light, tough, and pliant, fit for carriage building, &c. The fruit well adapted for many domestic and ornamental purposes."

Specific gravity of specimen, 0'557.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In. square.	Foot.	Lbs.
1	1 5 $\frac{1}{2}$	2	1	4518'2

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102'3 lbs.	0'03 in.
2204'6	0'08
3306'9	0'11
4409'2	0'23

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204*6 lbs.	0*01 in.
4409*2	0*03
5511*5	0*18
Crushing Weight	5511*5 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction

Strain applied.	Amount yielded.	Strain applied.	Amount yielded.
1102*3 lbs.	0*31 in.	5511*5 lbs.	0*54 in.
2204*6	0*33	6613*8	0*57
3306*9	0*43	7716*1	0*59
4409*2	0*50	8818*4	0*61

No. 73.—LIGNUM VITÆ. See No. 54, Specimen 2.

No. 74.—Botanical name, ———. Aboriginal and local name, YELLOW SANDERS.

Specific gravity of specimen, 0*859.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 1 4 $\frac{3}{4}$	In. square. 2	Foot. 1	Lbs. 9590*0

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102*3 lbs.	0*03 in.
2204*6	0*07
3306*9	0*12
4409*2	0*21

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204*6 lbs.	0*03 in.
4409*2	0*05
6613*8	0*10
Crushing Weight	6613*8 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204*6 lbs.	0*26 in.
4409*2	0*43
6613*8	0*49
8818*4	0*52

No. 75.—Botanical name, *Swietenia Mahogani*. Aboriginal and local name, GREEN MAHOGANY.

“For furniture, water wheels, planking of vessels, &c.”

Specific gravity of specimen, 0*664.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
1	Ft. In. 0 16 $\frac{1}{4}$	In. square. 2	Foot. 1	Lbs. 6061*0

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
2204·6 lbs.	0·07 in.
3306·9	0·16
4409·2	0·23
5511·5	0·45

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
2204·6 lbs.	0·04 in.
4409·2	0·07
6613·8	0·10
Crushing Weight	7716·1 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204·6 lbs.	0·30 in.
4409·2	0·43
6613·8	0·49
8818·4	0·52

No. 76.—Botanical name, *Piscidia Carthageniensis*. Aboriginal and local name, BLACK DOGWOOD or BITCHWOOD.

"A mid-sized tree, grows mostly in the low lands, on dry calcareous hills. The bark, especially of the root, intoxicates fish. A tincture has been used as a hypnotic, and has been highly recommended in cases of maniacal excitement. A most useful tree, lasts well in or out of water, and said to make excellent piles for wharves, &c."

Specific gravity of specimen, 0·930, water being 1·000.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In square.	Foot.	Lbs.
1	1 6½		1	6061·0

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102·3 lbs.	0·03 in.
2204·6	0·08
3306·9	0·11
4409·2	0·13

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.	Amount yielded.
11023·0 lbs.	0·13 in.
Crushing Weight	11023·0 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.	Amount yielded.
2204·6 lbs.	0·07 in.
4409·2	0·17
6613·8	0·33
8818·4	0·70

No. 77.—Botanical name, *Citrus Aurantium*. Aboriginal and local name, SWEET ORANGE.

"Used for inlaying, &c., walking sticks. Very common; but thrives best in brick mould districts."

Specific gravity of specimen, 0.785.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In square.	Foot.	Lbs.
1	1 5½	2	1	4628.4

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.
	Specimen 1.
1102.3 lbs.	0.04 in.
2204.6	0.10
3306.9	0.20
4409.2	0.38

No. 78.—Botanical name, *Piscidia Erythrina*. Aboriginal and local name, WHITE DOGWOOD.

"A mid-sized tree, growing mostly in the lowlands on dry calcareous hills. The bark, especially of the root, intoxicates fish."

Specific gravity of specimen, 0.943.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In square.	Foot.	Lbs.
1	0 17½	2	1	9477.2

SECOND EXPERIMENT, for noting the Deflection.

Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
1102.3 lbs.	0.02 in.	6613.8 lbs.	0.23 in.
2204.6	0.06	7164.9	0.26
4409.2	0.12	7716.1	0.30
5511.5	0.16	8818.4	0.39

No. 79.—Botanical name, *Laurus Borbonia*. Aboriginal and local name, TIMBER SWEETWOOD.

"For boards, staves, and scantlings; large and abundant on the lower hills."

Specific gravity of specimen, 0.973.

FIRST EXPERIMENT, for ascertaining the Breaking Weight when submitted to a Transverse Strain.

No. of Specimen.	Dimensions.		Bearing between Supports.	Breaking Weight.
	Length.	Section.		
	Ft. In.	In square.	Foot.	Lbs.
1	17 0½	2	1	9149.1

SECOND EXPERIMENT, for noting the Deflection.
Dimensions and Bearing as in First Experiment.

Transverse Strain.	Deflection.	Transverse Strain.	Deflection.
	Specimen 1.		Specimen 1.
2204·6 lbs.	0·04 in.	6613·8 lbs.	0·26 in.
3306·9	0·09	7164·9	0·30
4409·2	0·13	7716·1	0·33
5511·5	0·21	8818·4	0·48

THIRD EXPERIMENT, for ascertaining the Crushing Strain in the Direction of the Fibre.

Strain applied.

8818·4 lbs.	.	.	.	.	Amount yielded.
9920·7	.	.	.	.	0·11 in.
Crushing Weight	.	.	.	.	0·14
					9920·7 lbs.

FOURTH EXPERIMENT, for ascertaining the Crushing Strain in a Transverse Direction.

Strain applied.

2204·6 lbs.	.	.	.	.	Amount yielded.
4409·2	.	.	.	.	0·05 in.
8818·4	.	.	.	.	0·20
					0·62

TABLE I.

In the following Table the Woods are arranged in the Order of their Specific Gravity.

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1·000.	No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1·000.
46	Black Heart Ebony.	Jamaica .	1·193	15	Mahogany .	New South Wales.	0·952
7	Box of Illawarra.	New South Wales.	1·170	69	Bastard Cabage Bark.	Jamaica .	0·945
54	Lignum Vitæ.	Jamaica .	1·170	73	White Dogwood.	Ditto .	0·943
48	Small Leaf .	Ditto .	1·169	21	Monkey Pot .	British Guiana.	0·941
11	Bastard Box .	New South Wales.	1·115	50	Gynip .	Jamaica .	0·934
2	Mountain Ash	Ditto .	1·110	76	Black Dogwood.	Ditto .	0·930
35	Kakaralli .	Ditto .	1·103	16	Grey Gum .	New South Wales.	0·927
28	Sipiri or Greenheart.	British Guiana.	1·089	18	Mora .	British Guiana.	0·922
27	Sipiri or Greenheart.	Ditto .	1·052	65	Wild Mahogany.	Jamaica .	0·921
61	Neesberry Bullet Tree.	Jamaica .	1·046	60	Cashaw .	Ditto .	0·916
34	Wallaba .	British Guiana.	1·035	30	Ducaballi .	British Guiana.	0·910
25	Brown Ebony	Ditto .	1·034	49	Wild Orange.	Jamaica .	0·908
5	Iron Bark .	New South Wales.	1·032	66	Bullet Tree (Bastard).	Ditto .	0·902
13	Rough-leaved Iron Bark.	Ditto .	1·016	17	Cabacalli .	British Guiana.	0·893
4	Woolly Butt .	Ditto .	1·005	3	Black Butt .	New South Wales.	0·891
1	Water Gum .	Ditto .	1·001	32	Kaieeri-balli .	British Guiana.	0·870
19	Letter Wood .	British Guiana.	0·999	71	Tamarind .	Jamaica .	0·870
70	Red Bully Tree.	Jamaica .	0·999	9	Stringy Bark.	New South Wales.	0·864
29	Cuamara or Tonka.	British Guiana.	0·987	12	Swamp Mahogany.	Ditto .	0·864
43	Iron Wood .	Jamaica .	0·987	64	Prune .	Jamaica .	0·864
79	Sweet Wood .	Ditto .	0·973	74	Yellow Sanders	Ditto .	0·859
8	True Box of Camden.	New South Wales.	0·970	49	Wild Orange.	Ditto .	0·850
52	Fustic .	Jamaica .	0·966	6	Blue Gum .	New South Wales.	0·843
47	Cog Wood .	New South Wales.	0·961	68	Beech .	Jamaica .	0·842
44	Satin Candlewood.	Jamaica .	0·956				

TABLE I.—*continued.*

No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1'000.	No. of Specimen.	Name of Wood.	Colony.	Specific Gravity, Distilled Water being 1'000.
41	Sirabuliballi .	British Guiana.	0'838	42	Box-wood .	Jamaica .	0'690
33	Buhuradda .	Ditto .	0'814	24	Purple Heart .	British Guiana.	0'679
40	Buckati .	Ditto .	0'812	67	Locust Tree .	Jamaica .	0'675
20	Houbaballi .	Ditto .	0'810	45	Lancewood .	Ditto .	0'675
26	Baracara .	Ditto .	0'807	75	Green Mahogany.	Ditto .	0'664
77	Sweet Orange .	Jamaica .	0'785	10	Forest Swamp Oak.	New South Wales.	0'661
57	French Oak .	Ditto .	0'774	74	Yellow Sanders	Jamaica .	0'651
38	White Cedar .	British Guiana.	0'771	22	Bartaballi .	British Guiana.	0'640
59	Broad Leaf .	Jamaica .	0'771	62	Yacca .	Jamaica .	0'626
55	Wild Tamarind.	Ditto .	0'750	37	Crabwood .	British Guiana.	0'603
14	Hickory .	New South Wales.	0'748	51	Cedar .	Jamaica .	0'576
39	Locust Tree .	British Guiana.	0'707	72	Calabash .	Ditto .	0'557
58	Fiddle Wood .	Jamaica .	0'707	56	Bitterwood .	Ditto .	0'555
31	Cartan .	British Guiana.	0'703	63	Silverballi .	British Guiana.	0'546
53	Prickle Yellow	Jamaica .	0'691	63	Blue Mahoe .	Jamaica .	0'536

TABLE II.—BREAKING WEIGHTS.

In this Table the Woods are arranged according to their Value in the First Series of Experiments.

No. of Specimen.	Name of Wood.	Colony.	Breaking Weight reduced to 12 in. by 2 in. sq.	Value of S. in lbs.	Remarks.
			Lbs.		
43	Iron Wood .	Jamaica .	14991'2	5624'0	Yellow variety.
7	Box of Illawarra .	New South Wales .	13831'6	5186'6	
46	Black Heart Ebony .	Jamaica .	13580'3	5094'4	
48	Small Leaf .	Ditto .	12698'6	4761'9	
44	Satin Candlewood .	Ditto .	12235'5	4587'7	
27	Sipiri or Greenheart .	British Guiana .	12215'6	4580'0	Black variety.
25	Wamara or Brown Ebony.	Ditto .	12125'3	4546'0	
23	Wild Mammee .	Ditto .	11640'2	4365'1	
11	Bastard Box .	New South Wales .	11450'6	4294'5	
19	Letter Wood .	British Guiana .	11256'6	4221'8	
5	Iron Bark .	New South Wales .	10870'8	4068'0	From Metcalf Parish.
21	Monkey Pot .	British Guiana .	10692'3	4009'0	
26	Sipiri or Greenheart .	Ditto .	10471'8	3926'3	
29	Cuamara or Tonka .	Ditto .	10471'8	3926'3	
49	Wild Orange .	Jamaica .	10141'1	3802'9	
13	Broad-leaf Iron Bark	New South Wales .	10004'4	3752'2	
41	Sirabuliballi .	British Guiana .	9920'7	3719'1	
61	Neesberry Bullet Tree	Jamaica .	9920'7	3719'1	
2	Mountain Ash .	New South Wales .	9863'3	3699'3	
18	Mora .	British Guiana .	9700'2	3637'5	
35	Kakaralli .	New South Wales .	9590'0	3596'0	
74	Yellow Sanders .	Jamaica .	9590'0	3596'0	
78	White Dogwood .	Ditto .	9479'7	3553'8	
33	Buhuradda .	British Guiana .	9479'7	3553'8	
30	Ducaballi .	Ditto .	9369'5	3511'9	
79	Sweet Wood .	Jamaica .	9149'1	3430'3	
68	Beech .	Ditto .	9038'8	3389'0	

TABLE II.—continued.

No. of Specimen.	Name of Wood.	Colony.	Breaking Weight reduced to 12 in. by 2 in. sq.	Value of S. in lbs.	Remarks.
			Lbs.		
15	Mahogany . . .	New South Wales	8994.7	3373.0	
3	Black Butt . . .	Ditto . . .	8741.2	3278.2	
52	Fustic . . .	Jamaica . . .	8597.9	3223.1	
47	Cog Wood . . .	Ditto . . .	8542.8	3205.4	
26	Baracara . . .	British Guiana . . .	8499.7	3189.2	
22	Bartaballi . . .	Ditto . . .	8465.6	3174.6	
12	Swamp Mahogany . . .	New South Wales	8281.6	3101.8	
16	Grey Gum . . .	Ditto . . .	7828.5	2936.5	
14	Hickory . . .	Ditto . . .	7795.4	2923.3	
1	Water Gum . . .	Ditto . . .	7760.1	2910.0	
40	Buckati . . .	British Guiana . . .	7716.1	2892.4	
45	Lance Wood . . .	Jamaica . . .	7716.1	2892.4	
65	Wild Mahogany . . .	Ditto . . .	7385.4	2768.9	
17	Cabacalli . . .	British Guiana . . .	7167.1	2687.4	
38	White Cedar . . .	Ditto . . .	7167.1	2687.4	
6	Blue Gum . . .	New South Wales	7167.1	2687.4	
69	Bastard Cabbage Bark	Jamaica . . .	6724.0	2519.8	
71	Tamarind . . .	Ditto . . .	6724.0	2519.8	
66	Bastard Bullet Tree . . .	Ditto . . .	6724.0	2519.8	
64	Prune . . .	Ditto . . .	6613.8	2480.1	
50	Gynip . . .	Ditto . . .	6613.8	2480.1	
24	Purple Heart . . .	British Guiana . . .	6393.3	2403.0	
60	Cashaw . . .	Jamaica . . .	6393.3	2403.0	
32	Kaiceri-balli . . .	British Guiana . . .	6393.3	2403.0	
4	Woolly Butt . . .	New South Wales	6272.0	2352.3	
10	Forest Swamp Oak . . .	Ditto . . .	6214.6	2330.2	
39	Locust Tree . . .	British Guiana . . .	6172.9	2314.8	
59	Broad Leaf . . .	Jamaica . . .	6062.7	2272.9	
76	Black Dogwood . . .	Ditto . . .	6062.7	2272.9	
67	Locust Tree . . .	Ditto . . .	6062.7	2272.9	
75	Green Mahogany . . .	Ditto . . .	6062.7	2272.9	
9	Stringy Bark . . .	New South Wales	5795.9	2173.7	
53	Prickle Yellow . . .	Jamaica . . .	5731.9	2149.4	
55	Wild Tamarind . . .	Ditto . . .	5643.7	2116.4	
58	Fiddle Wood . . .	Ditto . . .	5511.5	2065.7	
42	Box Wood . . .	Ditto . . .	5511.5	2065.7	
34	Wallaba . . .	British Guiana . . .	5511.5	2065.7	
37	Crabwood . . .	Ditto . . .	5511.5	2065.7	
54	Lignum Vitæ . . .	Jamaica . . .	5511.5	2065.7	
70	Red Bully Tree . . .	Ditto . . .	5511.5	2065.7	
8	True Box of Camden . . .	New South Wales	5443.1	2041.4	
31	Cartan . . .	British Guiana . . .	4960.3	1858.4	
20	Houbaballi . . .	Ditto . . .	4737.7	1776.9	
77	Sweet Orange . . .	Jamaica . . .	4629.7	1735.0	
72	Calabash . . .	Ditto . . .	4518.2	1694.0	
49	Wild Orange . . .	Ditto . . .	4409.2	1653.4	From St. Catherine's Parish.
57	French Oak . . .	Ditto . . .	4409.2	1653.4	
36	Silverballi . . .	British Guiana . . .	4299.0	1611.5	
63	Blue Mahoe . . .	Jamaica . . .	4299.0	1611.5	
56	Bitter Wood . . .	Ditto . . .	3747.8	1404.3	
51	Cedar . . .	Ditto . . .	3196.7	1199.3	
62	Yacca . . .	Ditto . . .	2204.6	826.7	

TABLE III.—CRUSHING STRAINS.

In this Table the Woods are arranged according to their Value in the Third Series of Experiments.

No. of Specimen.	Name of Wood.	Colony.	Crushing Weight applied in Direction of Fibre, Dimensions, one inch cube.	No. of Specimen.	Name of Wood.	Colony.	Crushing Weight applied in Direction of Fibre, Dimensions, one inch cube.
			Lbs.				Lbs.
46	Black Heart Ebony.	Jamaica	18959·5	24	Purple heart	British Guiana.	9920·7
43	Iron Wood or Red Wood.	Ditto	17636·8	15	Mahogany	New South Wales.	9920·7
28	Sipiri Bibiru, or Green-heart.*	British Guiana.	15433·2	17	Cabacalli	British Guiana.	9920·7
48	Small Leaf	British Guiana.	15432·2	18	Mora	Ditto	9920·7
61	Neesberry	Ditto	14329·9	31	Cartan	British Guiana.	9920·7
19	Bullet Tree.	Ditto	14105·6	11	Bastard Box	New South Wales.	9700·2
23	Letter Wood or Snake Wood.	Ditto	12237·6	71	Tamarind	Jamaica	9256·8
20	Ducaballi	Ditto	13227·6	8	True Box of Camden.	New South Wales.	8818·0
13	Rough-leaved, Rough-barked Iron Bark.	New South Wales.	13227·6	6	Blue Gum of Camden.	Ditto	8818·4
35	Kakaralli	British Guiana.	13227·6	12	Swamp Mahogany.	Ditto	8818·4
49	Wild Orange†	Jamaica	13227·6	9	Stringy Bark, Camden.	Ditto	8818·4
25	Wamara or Brown Ebony.	British Guiana.	12566·2	22	Bartaballi	British Guiana.	8818·4
44	Satin Candlewood.	Jamaica	12562·8	26	Barracara	Ditto	8818·4
53	Buhuradda	British Guiana.	12125·3	32	Kaiceri-Balli	Ditto	8818·4
21	Monkey Pot	Ditto	12125·3	39	Simeri or Locust Tree.	Ditto	8818·4
47	Cog Wood	Jamaica	12122·0	87	Crab Wood	Ditto	8818·4
27	Sipiri or Greenheart.‡	British Guiana.	12125·3	42	Box Wood	Jamaica	8818·4
52	Fustic	Jamaica	12125·3	50	Gynip	Ditto	8818·4
29	Cuamara or Tonka.	British Guiana.	11463·9	53	Prickle Yellow.	Ditto	8818·4
76	Black Dogwood	Jamaica	11023·0	68	Beech	Ditto	8818·4
66	Willow-leaved Bastard Bullet Tree.	Ditto	11023·0	63	Blue Mahoe	Ditto	8818·4
1	Water Gum	New South Wales.	11020·0	65	Wild Mahogany.	Ditto	8818·4
3	Black Butt	Ditto	11020·0	55	Wild Tamarind.	Ditto	8705·8
2	Mountain Ash	Ditto	11020·0	36	Silverballi	British Guiana.	7716·1
38	White Cedar	British Guiana.	9920·7	75	Green Mahogany.	Jamaica	7716·1
40	Buckati	Ditto	9920·7	67	Locust	Ditto	7716·1
41	Sirabuliballi	Ditto	9920·7	59	Broad Leaf	Ditto	7716·1
79	Sweet Wood	Jamaica	9920·7	4	Woolly Butt	New South Wales.	7052·8
54	Lignum Vitæ	Ditto	9920·7	14	Hickory	Ditto	6613·8
5	Iron Bark	New South Wales.	9920·7	34	Wallaba	British Guiana.	6613·8
60	Cashaw	Jamaica	9920·7	45	Lance Wood	Jamaica	6613·8
64	Prune	Ditto	9920·7	51	Cedar	Ditto	6613·8
69	Bastard Cabbage Bark Tree.	Ditto	9920·7	57	French Oak	Ditto	6613·8
70	Red Bully Tree.	Ditto	9920·7	58	Fiddle Wood	Ditto	6613·8
77	Box of Illawara.	New South Wales.	9920·7	62	Yacca	Ditto	6613·8
16	Grey Gum	Ditto	9920·7	74	Yellow Sanders.	Ditto	6613·8
				72	Calabash	Ditto	5511·5
				10	Forest Swamp Oak.	New South Wales.	5511·5
				20	Houbaballi	British Guiana.	5511·5
				56	Bitter Wood	Jamaica	5511·5

* Black variety.

† From Metcalfe Parish.

‡ Yellow variety.

TABLE IV.

In this Table the Woods are placed according to their Value in the Fourth Series of Experiments.

No. of Specimen.	Name of Wood.	Colony.	Specimens, 1 in. square. Decimals of an inch.	No. of Specimen.	Name of Wood.	Colony.	Specimens, 1 in. square. Decimals of an inch.
54	Lignum Vitæ	Jamaica	0·01	31	Cartan	British	0·35
43	Iron Wood or Red Wood.	Ditto	0·02			Guiana.	
46	Black Heart Ebony.	Ditto	0·02	10	Forest Swamp Oak.	New South Wales.	0·35
29	Cuamara or Tonka.	British Guiana.	0·06	45	Lance Wood.	Jamaica	0·37
48	Small Leaf.	Jamaica	0·07	39	Simeri or Locust Tree.	British Guiana.	0·37
27	Sipiri or Greenheart.	British Guiana.	0·08	31	Sirabuliballi.	Ditto	0·40
30	Ducaballi.	Ditto	0·09	26	Baracara.	Ditto	0·42
47	Cog Wood.	Jamaica	0·09	74	Yellow Sanders.	Jamaica	0·43
61	Neesberry Bullet Tree.	Ditto	0·09	75	Green Mahogany.	Ditto	0·43
52	Fustic.	Ditto	0·09	16	Grey Gum.	New South Wales.	0·44
24	Purple Heart	British Guiana.	0·10	67	Locust	Jamaica	0·45
19	Letter Wood or Snake Wood.	Ditto	0·10	23	Wild Mammee	British Guiana.	0·45
2	Mountain Ash	New South Wales.	0·12	57	French Oak.	Jamaica	0·46
25	Wamara or Brown Ebony.	British Guiana.	0·11	37	Crab Wood.	British Guiana.	0·46
44	Satin Candlewood.	Jamaica	0·11	22	Bartaballi.	Ditto	0·47
50	Gynip.	Ditto	0·15	14	Hickory.	New South Wales.	0·47
76	Black Dogwood.	Ditto	0·17	8	True Box of Camden.	Ditto	0·50
1	Water Gum.	New South Wales.	0·18	51	Cedar.	Jamaica	0·50
70	Red Bully Tree	Jamaica	0·19	72	Calabash.	Ditto	0·50
18	Mora.	British Guiana.	0·19	62	Yacca.	Ditto	0·50
49	Wild Orange.	Jamaica	0·19	38	White Cedar.	British Guiana.	0·50
79	Sweet Wood.	Ditto	0·20	59	Broad Leaf.	Jamaica	0·51
35	Kakaralli.	British Guiana.	0·20	20	Houbaballi.	British Guiana.	0·51
4	Woolly Butt.	New South Wales.	0·21	65	Wild Mahogany	Jamaica	0·52
60	Cashaw.	Jamaica	0·25	5	Iron Bark.	New South Wales.	0·52
17	Cabacalli.	British Guiana.	0·26	9	Stringy Bark of Camden.	Ditto	0·52
3	Blue Gum of Camden.	New South Wales.	0·26	36	Siruballi.	British Guiana.	0·56
42	Box Wood.	Jamaica	0·28	33	Buhuradda.	Ditto	0·56
64	Prune.	Ditto	0·28	3	Black Butt.	New South Wales.	0·56
32	Kateeri Balli.	British Guiana.	0·28	56	Bitterwood.	Jamaica	0·57
66	Willow-leaved Bastard Bul- let Tree.	Jamaica	0·30	13	Rough-leaved Rough-bark- ed Iron Bark.	Ditto	0·57
68	Beech.	Ditto	0·31	21	Monkey Pot.	British Guiana.	0·59
40	Buckati.	British Guiana.	0·33	53	Prickle Yellow	Jamaica	0·59
15	Mahogany.	New South Wales.	0·33	58	Fiddlewood.	Ditto	0·61
69	Bastard Cab- bage Bark Tree.	Jamaica	0·34	63	Blue Mahoe.	Ditto	0·64
71	Tamarind.	Ditto	0·35	55	Wild Tamarind.	Ditto	0·65
				7	Box of Illa- warra.*	New South Wales.	—
				11	Bastard Box †	Ditto	—
				34	Wallaba‡	British Guiana.	—

* Fracture at 2000.

† Fracture at 1800.

‡ 49 at 1500.

TABLE V.

The Ratio of the Breaking Weight to the Specific Gravity of each Wood.

No. of Specimen.	Name of Wood.	Breaking Weight divided by Specific Gravity.	No. of Specimen.	Name of Wood.	Breaking Weight divided by Specific Gravity.
43	Iron Wood	15.188	2	Mountain Ash	8.885
22	Bartaballi	13.228	59	Locust Tree	8.731
44	Satin Candle Wood	12.782	6	Blue Gum	8.501
41	Sirabuliballi	11.835	16	Grey Gum	8.444
7	Box of Illawarra	11.821	55	Prickle Yellow	8.290
25	Brown Ebony	11.726	54	Lignum Vitæ	8.210
33	Buhuradda	11.645	72	Calabash	8.111
27	Sipiri or Greenheart	11.611	17	Cabacalli	8.026
45	Lance Wood	11.431	63	Blue Mahoe	8.020
46	Black Heart Ebony	11.383	65	Wild Mahogany	8.019
21	Monkey Pot	11.362	42	Box Wood	7.987
49	Wild Orange	11.278	36	Silverballi	7.873
19	Letter Wood	11.267	59	Broad Leaf	7.863
48	Small Leaf	10.862	58	Fiddle Wood	7.794
68	Beech	10.722	74	Yellow Sanders	7.790
29	Cuamara or Tonka	10.609	1	Water Gum	7.752
5	Iron Bark	10.533	71	Tamarind	7.728
26	Baracara	10.532	64	Prune	7.654
18	Mora	10.520	55	Wild Tamarind	7.524
14	Hickory	10.421	66	Bastard Bullet Tree	6.454
30	Ducaballi	10.296	32	Kaiceri-balli	7.348
11	Bastard Box	10.269	69	Bastard Cabbage Bark	7.115
78	White Dogwood	10.052	50	Gynip	7.081
13	Rough-leaved Iron Bark	9.846	31	Cartan	7.055
3	Black Butt	9.810	60	Cashaw	6.979
28	Sipiri, or Greenheart	9.615	56	Bitter Wood	6.752
12	Swamp Mahogany	9.585	9	Stringy Bark	6.708
40	Buckati	9.502	76	Black Dogwood	6.519
61	Bullet Tree	9.483	4	Woolly Butt	6.240
15	Mahogany	9.448	77	Sweet Orange	5.904
24	Purple Heart	9.415	20	Houbaballi	5.849
79	Timber Sweet Wood	9.402	57	French Oak	5.694
10	Forest Swamp Oak	9.401	8	True Box of Camden	5.611
38	White Cedar	9.295	51	Cedar	5.549
37	Crab Wood	9.140	70	Red Bully Tree	5.518
75	Green Mahogany	9.124	34	Wallaba	5.325
67	Locust	8.981	49	Wild Orange	5.010
52	Fustic	8.900	62	Yacca	3.521
47	Cogwood	8.889			

No. 73. Botanical name, *Guaiacum officinale*, see No. 54, Specimen 2.

INDEX OF WOODS TESTED IN FOREGOING EXPERIMENTS.

No. of Specimen.	Name of Wood.	Colony.	No. of Specimen.	Name of Wood.	Colony.
1	Water Gum . .	New South Wales.	39	Locust Tree . .	British Guiana.
2	Mountain Ash . .	Ditto.	40	Buckati . .	Ditto.
3	Black Butt . .	Ditto.	41	Sirabuliballi . .	Ditto.
4	Woolly Butt . .	Ditto.	42	Box Wood . .	Jamaica.
5	Iron Bark . .	Ditto.	43	Iron Wood . .	Ditto.
6	Blue Gum . .	Ditto.	44	Satin Candlewood	Ditto.
7	Box of Illawarra . .	Ditto.	45	Lancewood . .	Ditto.
8	True Box of Camden	Ditto.	46	Black Heart Ebony	Ditto.
9	Stringy Bark . .	Ditto.	47	Cog Wood . .	Ditto.
10	Forest Swamp Oak	Ditto.	48	Small Leaf . .	Ditto.
11	Bastard Box . .	Ditto.	49	Wild Orange . .	Ditto.
12	Swamp Mahogany	Ditto.	50	Gynip . .	Ditto.
13	Rough-leaved Iron Bark.	Ditto.	51	Cedar . .	Ditto.
14	Hickory . .	Ditto.	52	Fustic . .	Ditto.
15	Mahogany . .	Ditto.	53	Prickle Yellow . .	Ditto.
16	Grey Gum . .	Ditto.	54	Lignum Vitæ . .	Ditto.
17	Cabacalli . .	British Guiana.	55	Wild Tamarind . .	Ditto.
18	Mora . .	Ditto.	56	Bitterwood . .	Ditto.
19	Letter Wood . .	Ditto.	57	French Oak . .	Ditto.
20	Houbaballi . .	Ditto.	58	Fiddle Wood . .	Ditto.
21	Monkey Pot . .	Ditto.	59	Broad Leaf . .	Ditto.
22	Bartaballi . .	Ditto.	60	Cashaw . .	Ditto.
23	Wild Mammee . .	Ditto.	61	Bullet Tree . .	Ditto.
24	Purple Heart . .	Ditto.	62	Yacca . .	Ditto.
25	Brown Ebony . .	Ditto.	63	Blue Mahoe . .	Ditto.
26	Baracaria . .	Ditto.	64	Prune . .	Ditto.
27	Sipiri, or Green-heart, Yellow.	Ditto.	65	Wild Mahogany . .	Ditto.
28	Sipiri, or Green-heart, Black.	Ditto.	66	Bastard Bullet Tree	Ditto.
29	Cuamara or Tonka	Ditto.	67	Locust . .	Ditto.
30	Ducaballi . .	Ditto.	68	Beech . .	Ditto.
31	Cartan . .	Ditto.	69	Cabbage Bark Tree	Ditto.
32	Kaieeri-balli . .	Ditto.	70	Red Bully Tree . .	Ditto.
33	Buhuradda . .	Ditto.	71	Tamarind . .	Ditto.
34	Wallaba . .	Ditto.	72	Calabash . .	Ditto.
35	Kakaralli . .	Ditto.	73	Lignum Vitæ . .	Ditto.
36	Silverballi . .	Ditto.	74	Yellow Sanders . .	Ditto.
37	Crab Wood . .	Ditto.	75	Mahogany . .	Ditto.
38	White Cedar . .	Ditto.	76	Black Dogwood . .	Ditto.
			77	Sweet Orange . .	Ditto.
			78	White Dogwood . .	Ditto.
			79	Timber Sweetwood	Ditto.

TABLE OF WOODS TESTED IN FOREGOING EXPERIMENTS.

No. of Experiment	Name of Wood.	Country.	No. of Specimens	Name of Wood.	Country.
1	Water Elm	New South Wales	39	Locust Tree	British Guiana
2	Mountain Ash	Do.	40	Ironbark	Do.
3	Black Oak	Do.	41	Stimuliball	Do.
4	Woody Bark	Do.	42	Iron Wood	Do.
5	Iron Bark	Do.	43	Iron Wood	Do.
6	Rose Tree	Do.	44	South American Wood	Do.
7	Rose of Shinarump	Do.	45	Lamewood	Do.
8	Iron Bark of Oregon	Do.	46	Black Heart Spruce	Do.
9	Stimul Bark	Do.	47	God Wood	Do.
10	Water Elm of Oregon	Do.	48	Small Oak	Do.
11	Water Elm	Do.	49	Wild Orange	Do.
12	Water Elm	Do.	50	Orange	Do.
13	Water Elm	Do.	51	Orange	Do.
14	Water Elm	Do.	52	Orange	Do.
15	Water Elm	Do.	53	Orange	Do.
16	Water Elm	Do.	54	Orange	Do.
17	Water Elm	Do.	55	Orange	Do.
18	Water Elm	Do.	56	Orange	Do.
19	Water Elm	Do.	57	Orange	Do.
20	Water Elm	Do.	58	Orange	Do.
21	Water Elm	Do.	59	Orange	Do.
22	Water Elm	Do.	60	Orange	Do.
23	Water Elm	Do.	61	Orange	Do.
24	Water Elm	Do.	62	Orange	Do.
25	Water Elm	Do.	63	Orange	Do.
26	Water Elm	Do.	64	Orange	Do.
27	Water Elm	Do.	65	Orange	Do.
28	Water Elm	Do.	66	Orange	Do.
29	Water Elm	Do.	67	Orange	Do.
30	Water Elm	Do.	68	Orange	Do.
31	Water Elm	Do.	69	Orange	Do.
32	Water Elm	Do.	70	Orange	Do.
33	Water Elm	Do.	71	Orange	Do.
34	Water Elm	Do.	72	Orange	Do.
35	Water Elm	Do.	73	Orange	Do.
36	Water Elm	Do.	74	Orange	Do.
37	Water Elm	Do.	75	Orange	Do.
38	Water Elm	Do.	76	Orange	Do.
39	Water Elm	Do.	77	Orange	Do.
40	Water Elm	Do.	78	Orange	Do.
41	Water Elm	Do.	79	Orange	Do.
42	Water Elm	Do.	80	Orange	Do.
43	Water Elm	Do.	81	Orange	Do.
44	Water Elm	Do.	82	Orange	Do.
45	Water Elm	Do.	83	Orange	Do.
46	Water Elm	Do.	84	Orange	Do.
47	Water Elm	Do.	85	Orange	Do.
48	Water Elm	Do.	86	Orange	Do.
49	Water Elm	Do.	87	Orange	Do.
50	Water Elm	Do.	88	Orange	Do.
51	Water Elm	Do.	89	Orange	Do.
52	Water Elm	Do.	90	Orange	Do.
53	Water Elm	Do.	91	Orange	Do.
54	Water Elm	Do.	92	Orange	Do.
55	Water Elm	Do.	93	Orange	Do.
56	Water Elm	Do.	94	Orange	Do.
57	Water Elm	Do.	95	Orange	Do.
58	Water Elm	Do.	96	Orange	Do.
59	Water Elm	Do.	97	Orange	Do.
60	Water Elm	Do.	98	Orange	Do.
61	Water Elm	Do.	99	Orange	Do.
62	Water Elm	Do.	100	Orange	Do.

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